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U.S. DEPARTMENT OF THE INTERIOR
March 3 1849

# Water Resources Data Louisiana

# Water Year 1988

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT LA-88-1
Prepared in cooperation with the Louisiana
Department of Transportation and Development
and with other State and Federal agencies

I

# CALENDAR FOR WATER YEAR 1988

## 1987

### OCTOBER

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## 1988

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UNITED STATES DEPARTMENT OF THE INTERIOR

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GEOLOGICAL SURVEY

Dallas L. Peck, Director

For information on the water program in Louisiana write to
District Chief, Water Resources Division
U.S. Geological Survey
P.O. Box 66492
Baton Rouge, LA 70896

1989

# PREFACE

This volume of the annual hydrologic data report of Louisiana is one of a series of annual reports that document hydrologic data gathered from the U.S. Geological Survey's surface- and ground-water data-collection networks in each State, Puerto Rico, and the Trust Territories. These records of streamflow, ground-water levels, and quality of water provide the hydrologic information needed by State, local, and Federal agencies, and the private sector for developing and managing our Nation's land and water resources.

This report is the culmination of a concerted effort by dedicated personnel of the U.S. Geological Survey who collected, compiled, analyzed, verified, and organized the data, and who typed, edited, and assembled the report. In addition to the authors, who had primary responsibility for assuring that the information contained herein is accurate, complete, and adheres to Geological Survey policy and established guidelines, most of the data were collected, computed, and processed from area field offices. The following individuals supervised the collection, processing, and tabulation of the data:

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Water resources data for the 1988 water year for Louisiana consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality of ground water. This report contains records for water discharge at 61 gaging stations; stage only for 19 gaging stations and 7 lakes; water quality for 39 surface-water stations (including 15 gaging stations), and 118 wells; and water levels for 215 observation wells. Also included are data for 103 crest-stage and flood-profile partial-record stations. Additional water data were collected at various sites not involved in the systematic data-collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Louisiana.

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## INTRODUCTION

The Water Resources Division of the U.S. Geological Survey, in cooperation with State agencies, obtains a large amount of data pertaining to the water resources of Louisiana each water year. These data, accumulated during many water years, constitute a valuable data base for developing an improved understanding of the water resources of the State. To make these data readily available to interested parties outside the Geological Survey, the data are published annually in this report series entitled "Water Resources Data - Louisiana."

This report includes records on both surface and ground water in the State. Specifically, it contains: (1) Discharge records for 61 streamflow-gaging stations, stage only for 19 gaging stations, for 84 partial-record or miscellaneous streamflow stations, and for 23 crest-stage, partial record streamflow stations; (2) stage records for 7 lakes; (3) water-quality records for 15 streamflow-gaging stations, for 24 ungaged streamsites, and 118 wells; and (4) water-level records for 215 observation wells.

This series of annual reports for Louisiana began with the 1961 water year with a report that contained only data relating to the quantities of surface water. For the 1964 water year, a similar report was introduced that contained only data relating to water quality. Beginning with the 1975 water year, the report format was changed to present, in one volume, data on quantities of surface water, quality of surface and ground water, and ground-water levels.

Prior to introduction of this series and for several water years concurrent with it, water-resources data for Louisiana were published in U.S. Geological Survey Water-Supply Papers. Data on stream discharge and stage and on lake or reservoir contents and stage, through September 1960, were published annually under the title "Surface-Water Supply of the United States, Parts 2, 7, and 8." For the 1961 through 1970 water years, the data were published in two 5-year reports. Data on chemical quality, temperatures, and suspended sediment for the 1941 through 1970 water years were published annually under the title "Quality of Surface Waters of the United States," and water levels for the 1935 through 1974 water years were published under the title "Ground-Water Levels in the United States." The above mentioned Water-Supply Papers may be consulted in the libraries of the principal cities of the United States and may be purchased from Distribution Branch, Text Products Section, U.S. Geological Survey, 604 South Pickett Street, Alexandria, VA 22304.

Publications similar to this report are published annually by the Geological Survey for all States. These official Survey reports have an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report LA-88-1." For archiving and general distribution, the reports for 1971-74 water years also are identified as water-data reports. These water-data reports are for sale in paper copy or in microfiche by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

Additional information, including current prices, for ordering specific reports may be obtained from the District Chief at the address given on back of title page or by telephone (504) 389-0281.

## COOPERATION

The U.S. Geological Survey and organizations of the State of Louisiana have had cooperative agreements for the systematic collection of streamflow records since 1938, for ground-water levels since 1936, and for water-quality records since 1943. Organizations that assisted in collecting data during this water year through joint-funding agreements with the Survey are:

Louisiana Department of Transportation and Development, Neil L. Wagoner, Secretary.

Louisiana Department of Environmental Quality, Paul H. Templet, Secretary; Office of Water Resources, Maureen O'Neill, Assistant Secretary.

City of Baton Rouge and Parish of East Baton Rouge, Tom Ed McHugh, Mayor-President; Department of Public Works, James C. Webb, Director.

Jefferson Parish Department of Public Works, B.K. Sneed, Director.

Capital Area Ground Water Conservation Commission, Kent Naquin, Chairman.

Sabine River Compact Administration, composed of James B. Furrh, Jr., Chairman; Neil L. Wagoner, and Raymond J. Palmer for Louisiana; Danny Choate, and J.T. McMahon for Texas.

City of Slidell, Salvatore A. Caruso, Mayor.

Louisiana Department of Wildlife and Fisheries, Virginia Van Sickle, Secretary.

Assistance in the form of funds or services was provided by the Corps of Engineers, U.S. Army; U.S. Forest Service; and the National Park Service in collection of records for stage and discharge stations and for water-quality stations published in this report.

Organizations that supplied data are acknowledged in the station descriptions.

## SUMMARY OF HYDROLOGIC CONDITIONS

### Surface Water

For the month of October, rainfall statewide was 1.30 in. (inches) below the average of 2.97 in. This continued the pattern of below-normal rainfall that had been observed for much of the State since February 1987.

Above normal rainfall for November provided relief to northern Louisiana from the prolonged drought. A storm on November 15-16 created flooding conditions in central Louisiana; the town of Olla had 14.22 in. of rainfall on November 16 and a monthly total of 22.98 in. Saline Bayou near Lucky reflected this intense rainfall as it rose to a daily discharge of 857 ft³/s (cubic feet per second) on November 17. The maximum daily discharge on record at Saline Bayou near Lucky for November was 2,810 ft³/s on November 26, 1986. The November monthly mean discharge, at Saline Bayou near Lucky, was 156 ft³/s and was above the long-term November mean of 126 ft³/s (fig. 1). The annual-peak discharge of 11,700 ft³/s for the Calcasieu River near Oberlin occurred in November and had a recurrence interval of less than 2 years. The November monthly mean discharge, at Calcasieu River near Oberlin, was 2,588 ft³/s and was above the long-term November mean of 775 ft³/s (fig. 1).

From December through January, rainfall was 2.53 in. above normal for the northwestern part of the State and was 3.14 in. below normal for the southeastern part. The December monthly mean discharge at Saline Bayou near Lucky was 302 ft³/s and was above the long-term December mean of 208 ft³/s (fig. 1).

From February through April, rainfall in the northern and central parts of the State was near normal; however, rainfall in the southern part of the State was 11 in. above the normal of 13.44 in. From April 1-4, over 13 in. of rain was recorded in the New Orleans area. Above normal rainfall in the Amite River basin resulted in unusually large monthly mean discharges of 7,276 ft³/s in February and 6,386 ft³/s in April for Amite River near Denham Springs (fig. 1). The maximum February and April monthly mean discharges ever recorded at that site were 11,810 ft³/s (in 1966) and 13,150 ft³/s (in 1980), respectively. The annual-peak discharge of the Amite River near Denham Springs in the 1988 water year occurred in April and was 41,300 ft³/s, which is about a 5-year flood. The Pearl River near Bogalusa also experienced the annual peak discharge of 49,000 ft³/s in April, this was about a 2-year flood. The April monthly mean discharge at that site was 23,800 ft³/s, which was above the long-term April mean of 21,080 ft³/s (fig. 1).

In May and June, rainfall statewide was 5.0 in. below the normal of 9.34 in. for the 2 months. As a result of deficient rainfall, the Calcasieu River near Oberlin set new minimum daily discharge records for May and June. The May minimum daily discharge was 59.0 ft³/s on May 31, which was below the previous low of 61.0 ft³/s in May 1956. The June monthly mean discharge was 49.0 ft³/s and was below the previous monthly mean of 72.2 ft³/s in 1948 A new minimum daily discharge was 29.0 ft³/s on June 22, which was below the previous minimum daily discharge of 36.0 ft³/s on June 15, 1963.

From July through August, rainfall returned to near-normal conditions statewide, but larger streams continued to show the effects of the drought. Mean daily discharge on the lower Mississippi River was below 200,000 ft³/s from June 10, 1988, through the remainder of the 1988 water year. On July 5, 1988, the mean daily discharge of the Mississippi River at Tarbert Landing, Miss., reached a low of 111,000 ft³/s for the water year.

In September, rainfall statewide was 0.52 in. above the normal of 4.53 in. The Amite River near Denham Springs experienced a monthly mean discharge of 3,247 ft³/s (fig. 1), which was the second highest for the period of record, 1938-1988. The maximum September mean discharge of 5,637 ft³/s occurred in 1977.

## Water Quality

Specific conductance for the Mississippi River at Venice, La., reached a high of 5,900 µS (microsiemens per centimeter at 25° C), on July 8, 1988, due to the influx of saltwater from the Gulf of Mexico. The wedge of saltwater reached mile 104.5 on July 13, 1988, and remained between that point and mile 103.0 until July 27 when it began to recede. Completion of a saltwater sill on the river bottom at mile 63.7 on July 31, 1988, helped to stop the movement of saltwater upstream of the sill. Specific conductance along most of the lower Mississippi River ranged from approximately 280 to 590 µS during the 1988 water year. Water temperatures ranged from approximately 6.5 to 31.0° C during the 1988 water year. Chloride concentration ranged from approximately 18 to 40 mg/L (milligrams per liter) along the river except at Venice, La., where the concentration was 1,400 mg/L on September 27, 1988.

Specific conductance along the Red River ranged from approximately 200 to 1,260 µS during the 1988 water year. Water temperature ranged from 3.0 to 33.0° C. Total iron and manganese concentrations were characteristically high. Total iron concentration ranged from a minimum of 230 µg/L (micrograms per liter) for Red River at Lock and Dam 1 near Vick, La., on July 12, 1988, to a maximum of 10,000 µg/L for Red River at Moncla, La., on January 11, 1988. Total manganese concentration ranged from a minimum of 80 µg/L at Alexandria, La. and Lock and Dam 1 near Vick on July 12, 1988, to a maximum of 270 µg/L at Moncla and Lock and Dam 1 near Vick on January 11, 1988. Chloride concentration ranged from approximately 15 to 180 mg/L.

Water-quality stations on the Atchafalaya River include Lower Atchafalaya River at Morgan City, La., and Atchafalaya River at Melville, La. At Morgan City, the minimum sediment load was 24,100 T/day (tons per day) on October 21, 1987, and the maximum sediment load was 250,000 T/day on April 19, 1988. At Melville, the minimum sediment load was 12,200 T/day on October 15, 1987, and the maximum sediment load was 943,000 T/day on December 29, 1987. At Melville, the lowest measured specific conductance was 193 µS on November 25, 1987, and the maximum measured specific conductance was 624 µS on September 1, 1988. Water temperature at Melville ranged from 6.0 to 33.0° C.

The Florida Parishes water-quality stations include Tangipahoa River at Robert, La.; Tchefuncta River near Covington, La.; and Pearl River at Port Vincent, La. These stations had low specific conductances (80 µS or lower) much of the year. Values of pH ranged from approximately 5.92 to 7.30. Fecal coliform counts exceeded 200 col/100 mL (colonies per 100 milliliters) at Tchefuncta and Tangipahoa Rivers for 50 to 100 percent of the samples collected during the water year. The fecal coliform count at Amite River at Port Vincent was 6,100 col/100 mL on January 11, 1988, but never exceeded 100 col/100 mL on samplings during the rest of the year. Pearl River fecal coliform counts were 200 col/100 mL or less throughout the year.

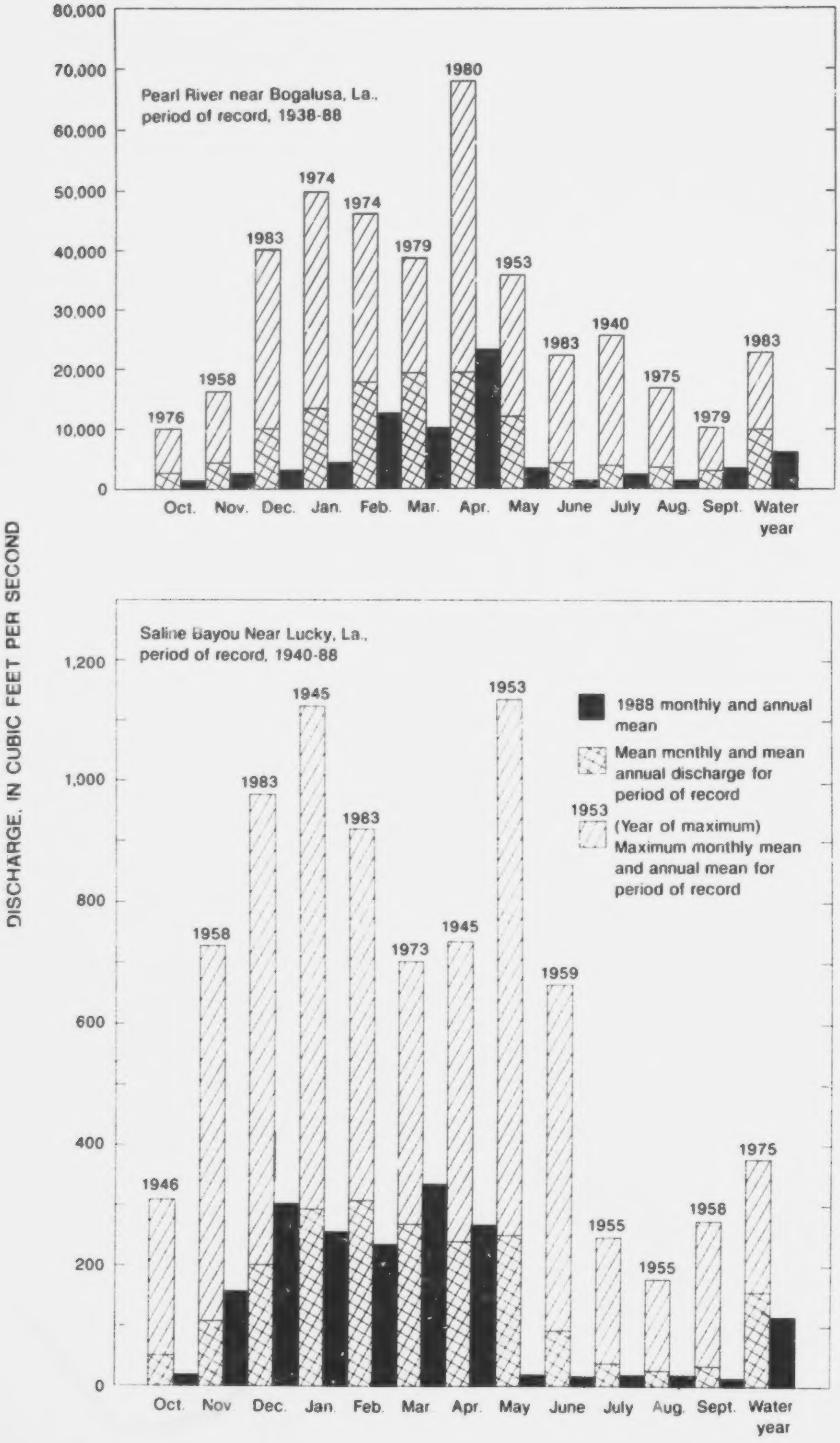


Figure 1.--Comparison of discharge during the 1988 water year with mean and maximum discharge for the period of record at four representative gaging stations.

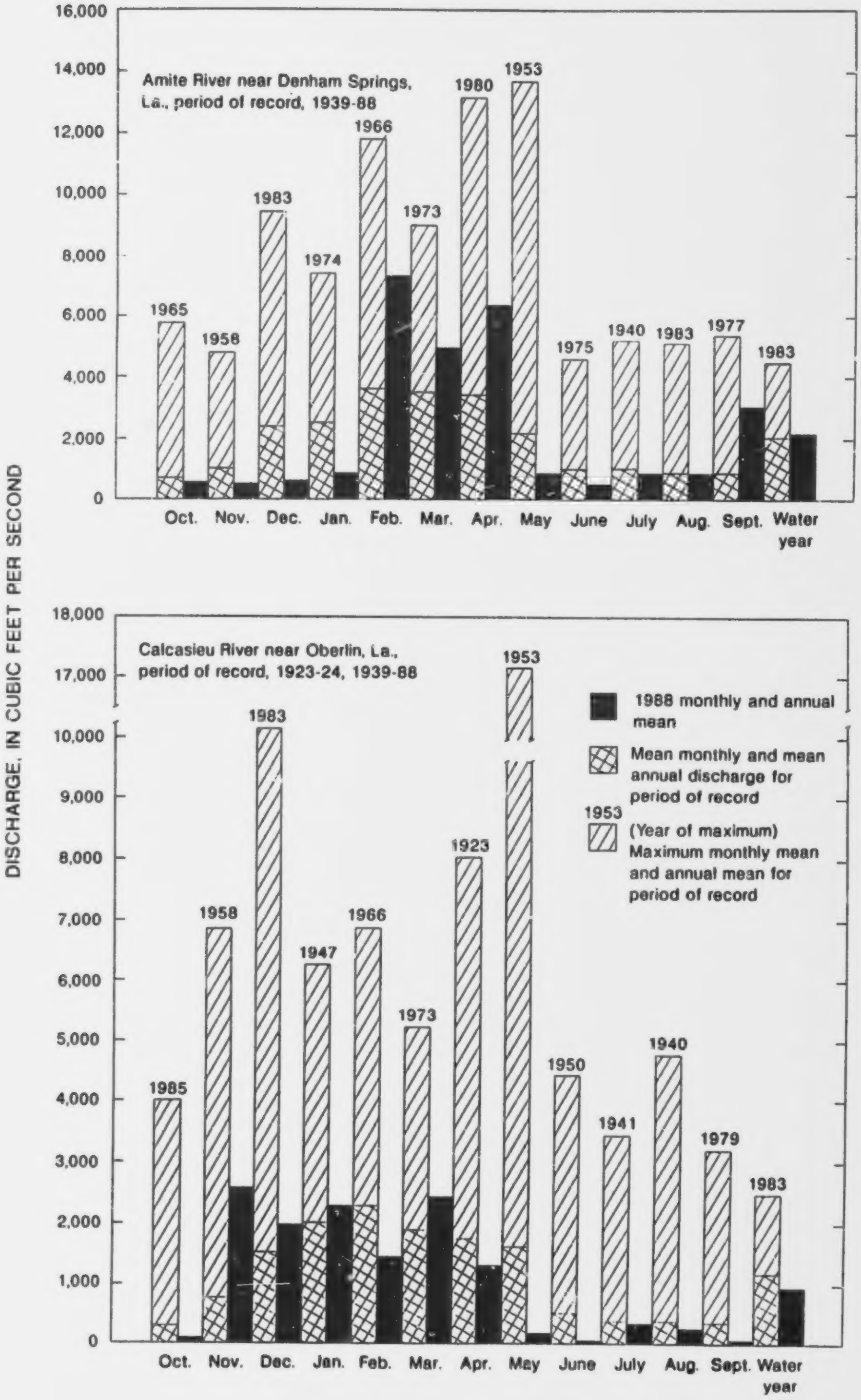


Figure 1.--Comparison of discharge during the 1988 water year with mean and maximum discharge for the period of record at four representative gaging stations--Continued.

## Ground Water

### Water Levels

Water-level declines continued to occur in some of the major aquifers around the State during the water year. Regional water-level declines due to heavy pumping ranged from 1 to 2 feet in the Sparta aquifer, a major source of ground water in northern Louisiana (well Ja-147, fig. 2.). The Miocene aquifers of central Louisiana, which are heavily pumped in the Alexandria area, showed water-level declines of 2 to 7 feet. Little change in water levels occurred in the Evangeline aquifer; however, in areas with heavy pumping, a water-level decline of about 1 foot was observed. Water levels in observation wells screened in the "1,500-foot" sand of the Baton Rouge area, which is used mainly for public supply, declined an average of about 2.5 feet (well EB-917, fig. 2). Water levels in the "2,000-foot" sand of the Baton Rouge area, and other major aquifers of the Florida Parishes, declined slightly from the previous water year.

In the Baton Rouge area, wells screened in the "600-foot" sand again showed an average water-level rise of nearly 3 feet. Due to the expanding use of surface water by industries in the Lake Charles area, water levels in the "200-foot" and "700-foot" sands in this area rose about 1.5 feet.

The shallow aquifers and terrace deposits showed normal seasonal fluctuations in water levels. The Mississippi River alluvial aquifer showed declines of 5 to 10 feet as a result of the extremely low river stages during the summer. No significant change in water levels occurred in other aquifers around the State during the 1988 water year.

### Water Quality

Chloride concentrations in water from wells in the Chicot, Gramercy, Norco, and Gonzales-New Orleans aquifers showed little change in from the previous water year. Chloride concentrations ranged from 5 to 880 mg/L in water from these wells. Chloride concentrations in most saltwater monitoring wells in the Baton Rouge area showed relatively little change from the 1987 water year. However, the chloride concentration in water from well EB-781 increased 400 mg/L (from 2,400 mg/L to 2,800 mg/L, fig. 2). This well is screened in the "2,000-foot" sand and is located south of the Baton Rouge fault.

Approximately 40 observation and public supply wells were sampled for the presence of organic compounds, including pesticides, semivolatiles, and volatiles. Concentrations of these organic compounds in all public supply wells sampled were found to be less than the detection limit.

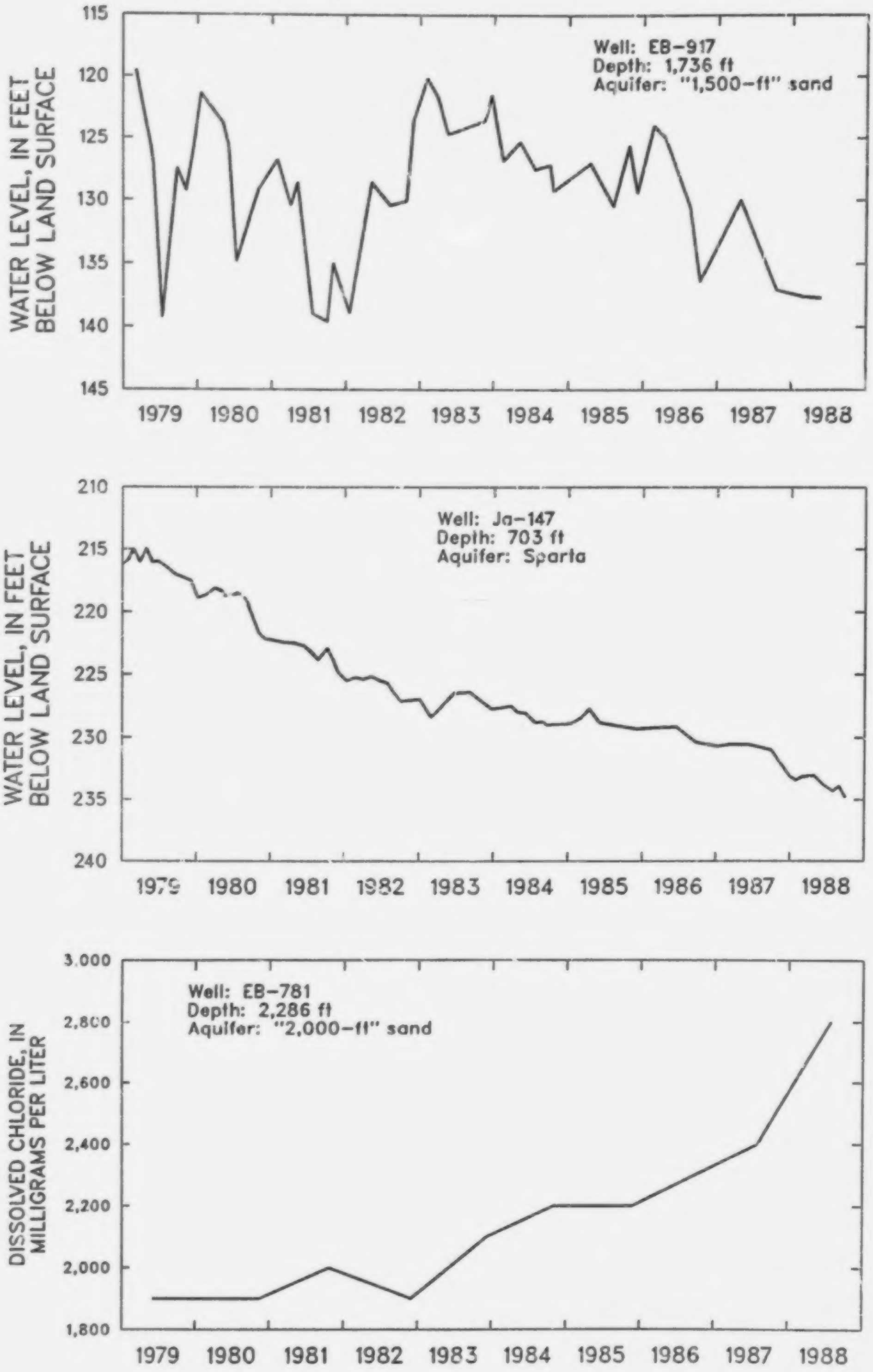


Figure 2.--Water levels for representative observation wells and chloride concentration for well EB-781.

## SPECIAL NETWORKS AND PROGRAMS

**Hydrologic bench-mark station** is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from man-made changes in other basins which have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin.

**National stream-quality accounting network** (NASQAN) is a data-collection network designated by the U.S. Geological Survey to meet many of the demands of agencies or groups involved in national or regional water-quality planning and management. Both accounting and broad-scale monitoring objectives have been incorporated into the network design. Areal configuration of the network is based on river-basin accounting units (identified by 8-digit hydrologic-unit numbers) designated by the Office of Water Data Coordination in consultation with the Water Resources Council. Primary objectives of the network are (1) to depict areal variability of streamflow and water-quality conditions nationwide on a year-by-year basis and (2) to detect and assess long-term changes in streamflow and stream quality.

## EXPLANATION OF THE RECORDS

The surface-water and ground-water records published in this report are for the 1988 water year that began October 1, 1987, and ended September 30, 1988. A calendar of the water year is provided on the inside of the front cover. The records contain streamflow data, stage data for lakes, water-quality data for surface and ground water, and ground-water-level data. The locations of the stations and wells where the data were collected are shown in figures 4-16. The following sections of the introductory text are presented to provide users with a more detailed explanation of how the hydrologic data published in this report were collected, analyzed, computed, and arranged for presentation.

### Station Identification Numbers

Each data station, whether streamsite or well, in this report is assigned a unique identification number. This number is unique in that it applies specifically to a given station and to no other. The number usually is assigned when a station is first established and is retained for that station indefinitely. The systems used by the U.S. Geological Survey to assign identification numbers for surface-water stations and for ground-water well sites differ, but both are based on geographic location. The "downstream order" system is used for regular surface-water stations and the "latitude-longitude" system is used for wells and, in Louisiana, for surface-water stations where only miscellaneous measurements are made.

### Downstream Order System

Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a mainstream station are listed before that station. A station on a tributary that enters between two mainstream stations is listed between them. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary with respect to the stream to which it is immediately tributary is indicated by an indention in the "List of Stations" in the front of this report. Each indention represents one rank. This downstream order and system of indention show which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

The station identification number is assigned according to downstream order. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete eight- to fourteen-digit number for each station such as 02489500000000, which appears just to the left of the station name, includes the two-digit Part number "02" plus the six- to twelve-digit downstream order number "489500000000". The Part number designates the major river basin; for example "02" is the South Atlantic Slope and Eastern Gulf of Mexico.

## Latitude-Longitude System

The identification numbers for wells and miscellaneous surface-water sites are assigned according to the grid system of latitude and longitude. The number consists of 15 digits. The first six digits denote the degrees, minutes, and seconds of latitude, the next seven digits denote degrees, minutes, and seconds of longitude, and the last two digits (assigned sequentially) identify the wells or other sites within a one-second grid. This site-identification number, once assigned, is a pure number, and has no locational significance. In the rare instance where the initial determination of latitude and longitude are found to be in error, the station will retain its initial identification number; however, its true latitude and longitude will be listed in the LOCATION paragraph of the station description. (See figure 1). In Louisiana, wells are further identified by a local well number that consists of a letter code that identifies the parish in which the well is located, followed by a serial number assigned when the well was inventoried.

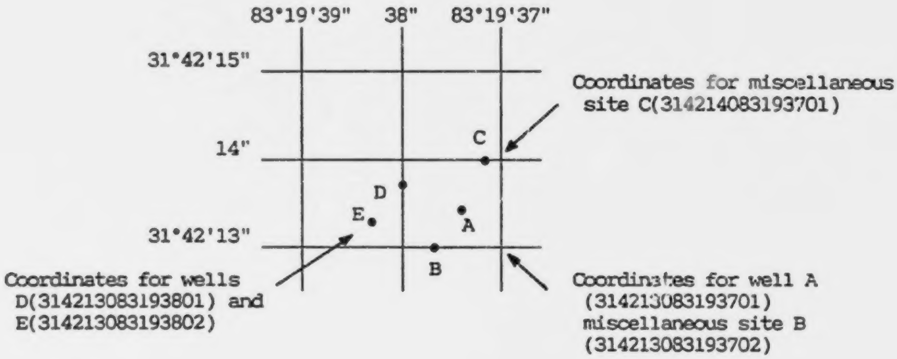

83°19'39"
38"
83°19'37"
31°42'15"
Coordinates for miscellaneous site C(314214083193701)
C
14"
D
E
A
31°42'13"
B
Coordinates for wells D(314213083193801) and E(314213083193802)
Coordinates for well A (314213083193701) miscellaneous site B (314213083193702)

Figure 3.--System for numbering wells and miscellaneous sites (latitude and longitude).

## Records of Stage and Water Discharge

Records of stage and water discharge may be complete or partial. Complete records of discharge are those obtained using a continuous stage-recording device through which either instantaneous or mean daily discharges may be computed for any time, or any period of time, during the period of record. Complete records of lake or reservoir content, similarly, are those for which stage or content may be computed or estimated with reasonable accuracy for any time, or period of time. They may be obtained using a continuous stage-recording device, but need not be. Because daily mean discharges and end-of-day contents commonly are published for such stations, they are referred to as "daily stations."

By contrast, partial records are obtained through discrete measurements without using a continuous stage-recording device and pertain only to a few flow characteristics, or perhaps only one. The nature of the partial record is indicated by table titles such as "Crest-stage partial records," or "Low flow partial records." Records of miscellaneous discharge measurements or of measurements from special studies, such as low-flow seepage studies, may be considered as partial records, but they are presented separately in this report. Location of all complete-record and crest-stage partial-record stations for which data are given in this report are shown in figures 4-7.

## Data Collection and Computation

The data obtained at a complete-record gaging station on a stream or canal consist of a continuous record of stage, individual measurements of discharge throughout a range of stages, and notations re-regarding factors that may affect the relationships between stage and discharge. These data, together with supplemental information, such as weather records, are used to compute daily discharges. The data obtained at a complete-record gaging station on a lake or reservoir consist of a record of stage and of notations regarding factors that may affect the relationship between stage and lake content. These data are used with stage-area and stage-capacity curves or tables to compute water-surface areas and lake storage.

Continuous records of stage are obtained with analog recorders that trace continuous graphs of stage or with digital recorders that punch stage values on paper tapes at selected time intervals. Measurements of discharge are made with current meters using methods adapted by the Geological Survey as a result of experience accumulated since 1880. These methods are described in standard textbooks, in Water-Supply Paper 2175, and in U.S. Geological Survey Techniques of Water-Resources Investigations, Book 3, Chapter A6.

In computing discharge records, results of individual measurements are plotted against the corresponding stages, and stage-discharge relation curves are then constructed. From these curves, rating tables indicating the approximate discharge for any stage within the range of the measurements are prepared. If necessary to define extremes of discharge outside the range of the current-meter measurements, the curves are extended using: (1) logarithmic plotting; (2) velocity-area studies; (3) results of indirect measurements of peak discharge, such as slope-area or contracted-opening measurements, and computations of flow-over-dams or weirs; or (4) step-backwater techniques.

Daily mean discharges are computed by applying the daily mean stages (gage heights) to the stage-discharge curves or tables. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is determined by the shifting-control method, in which correction factors based on the individual discharge measurements and notes of the personnel making the measurements are applied to the gage heights before the discharges are determined from the curves or tables. This shifting-control method also is used if the stage-discharge relation is changed temporarily because of aquatic growth or debris on the control. For some stations, formation of ice in the winter may so obscure the stage-discharge relations that daily mean discharges must be estimated from other information such as temperature and precipitation records, notes of observations, and records for other stations in the same or nearby basins for comparable periods.

At some stream-gaging stations the stage-discharge relation is affected by the backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

In computing records of lake or reservoir contents, it is necessary to have available from surveys, curves or tables defining the relationship of stage and content. The application of stage to the stage-content curves or tables gives the contents from which daily, monthly, or yearly changes then are determined. If the stage-content relationship changes because of deposition of sediment in a lake or reservoir, periodic resurveys may be necessary to redefine the relationship. Even when this is done, the contents computed may become increasingly in error as time since the last survey increases. Discharges over lake or reservoir spillways are computed from stage-discharge relationships much as other stream discharges are computed.

For some gaging stations there are periods when no gage-height record is obtained, or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods, the daily discharges are estimated from the recorded range in stage, previous or following record, discharge measurements, weather records, and

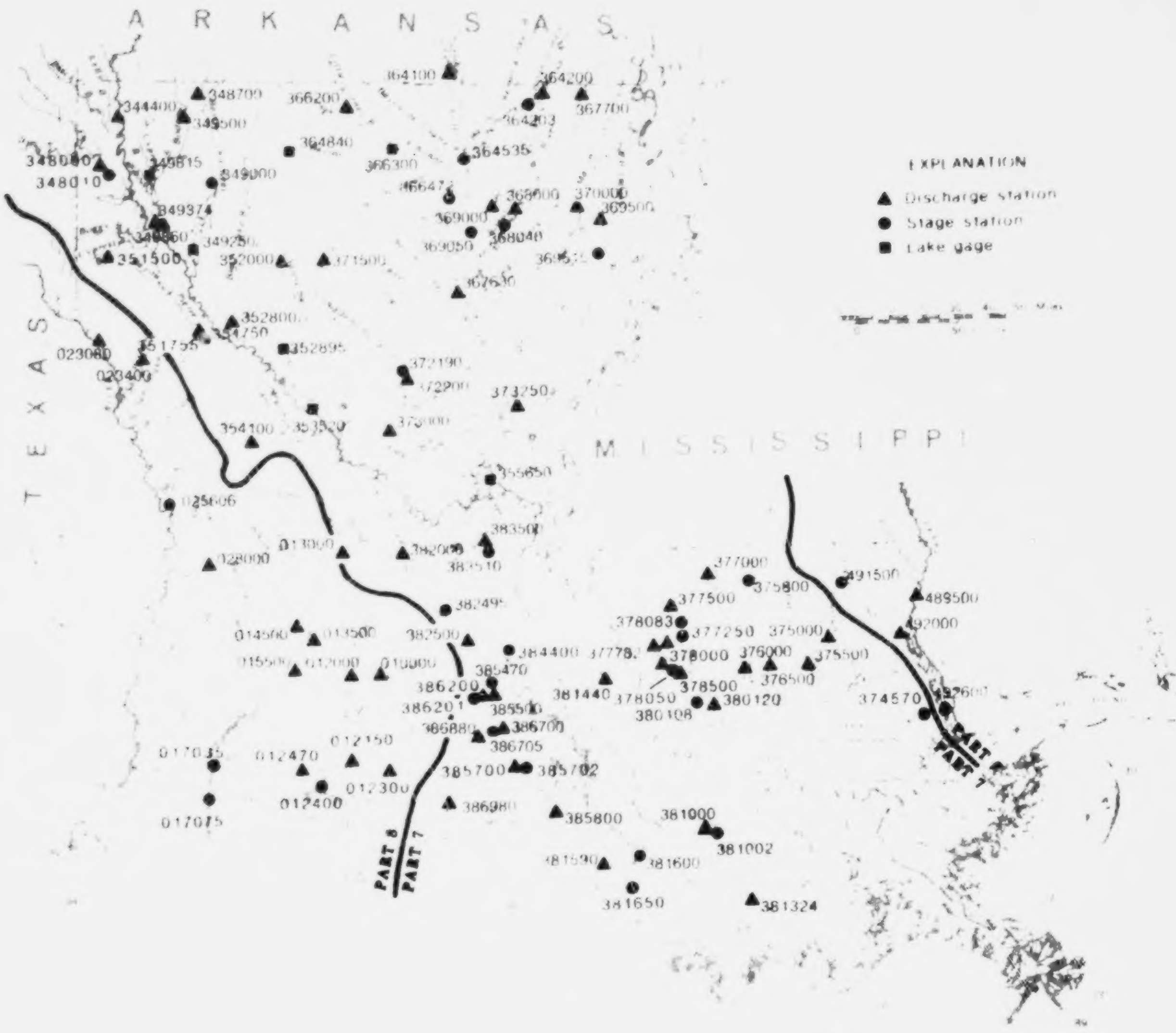

ARKANSAS
TEXAS
MISSISSIPPI
EXPLANATION
▲ Discharge station
● Stage station
■ Lake gage
PART 8
PART 7
344400
348700
349500
366200
364100
364200
364203
367700
348000
348010
349815
349000
364840
366300
364535
366471
368000
370000
369500
369000
368040
369050
369535
349374
349250
351500
352000
371500
367630
352800
351750
352895
023080
351755
023400
372190
372200
373250
354100
353520
373000
355650
025606
013000
382000
383500
383510
028000
382495
377000
375800
491500
489500
377500
014500
013500
382500
378083
377250
375000
492000
015500
012000
010000
384400
377780
378000
376000
375500
385470
386200
381440
378050
378500
376500
386201
385500
380108
380120
374570
376000
386880
386700
386705
017035
012470
012150
385700
385702
012400
012300
386980
385800
381000
381002
017075
381590
381600
381650
381324

Figure 4.--Location of continuous gaging stations.

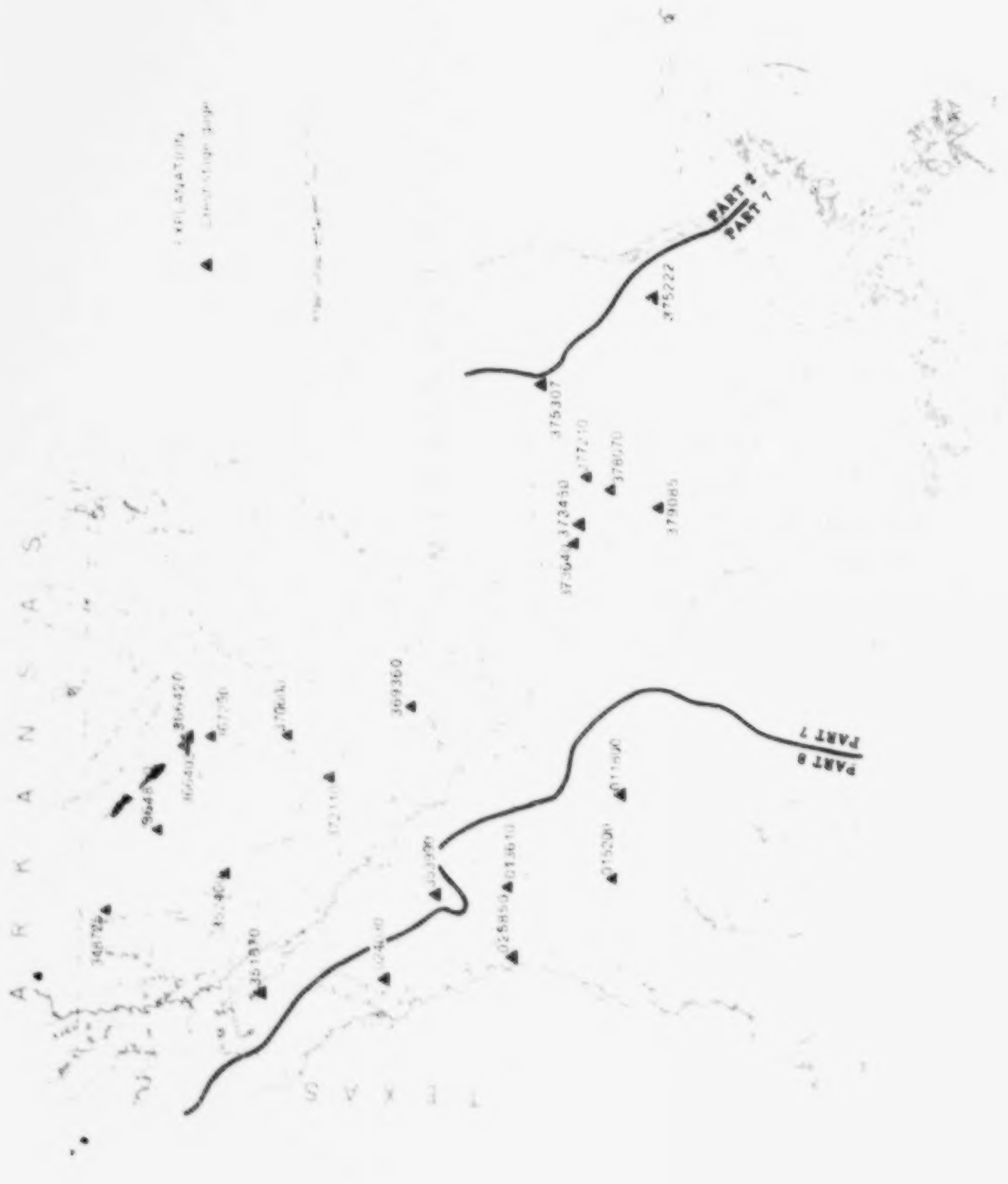

A R K A N S A S
T E X A S
EXPLANATION
Crest-stage gage
366420
367250
372110
369360
351870
025850
013610
015200
011800
373450
377210
378070
379085
375307
375222
PART 8
PART 7

Figure 5.--Location of crest-stage stations.

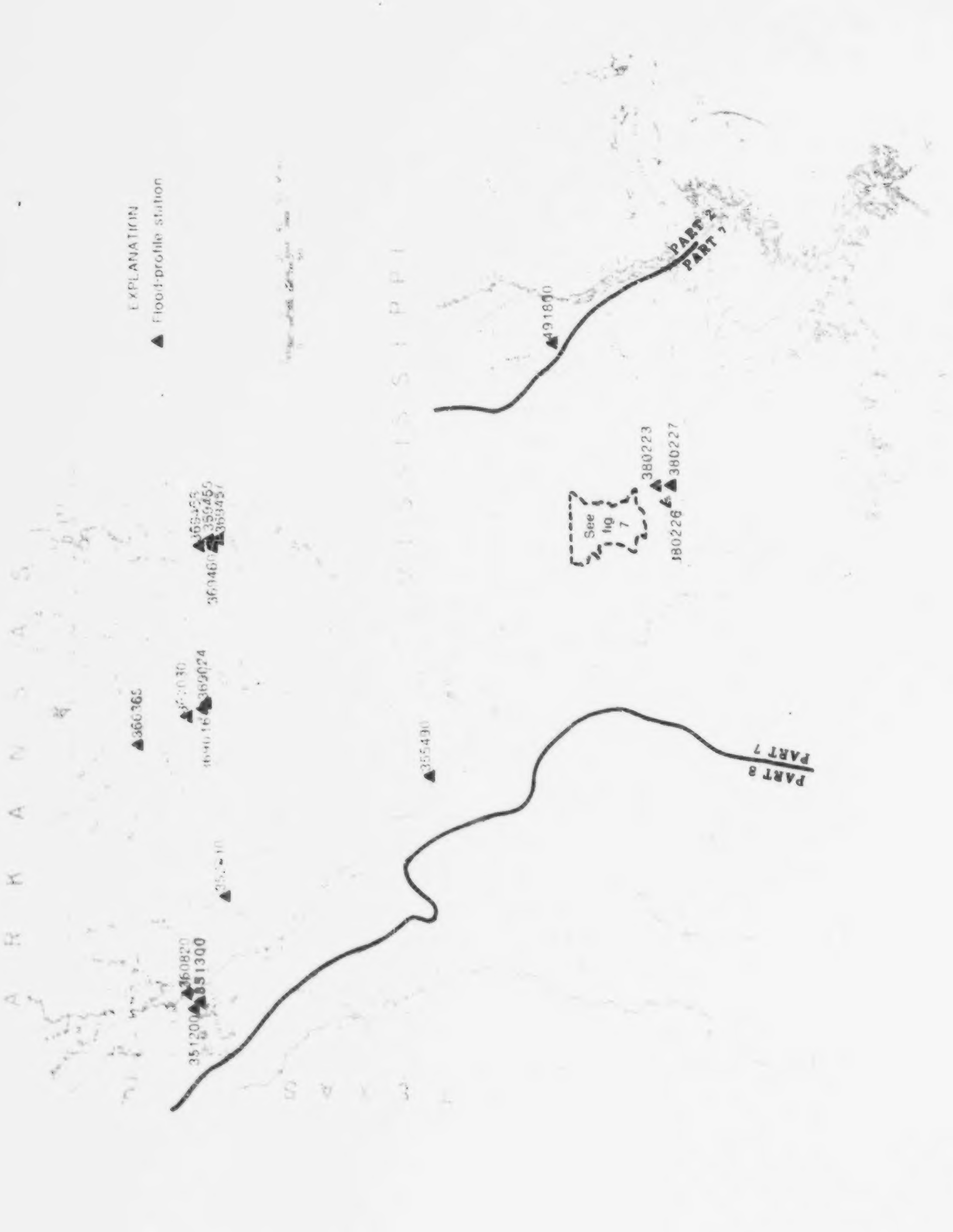
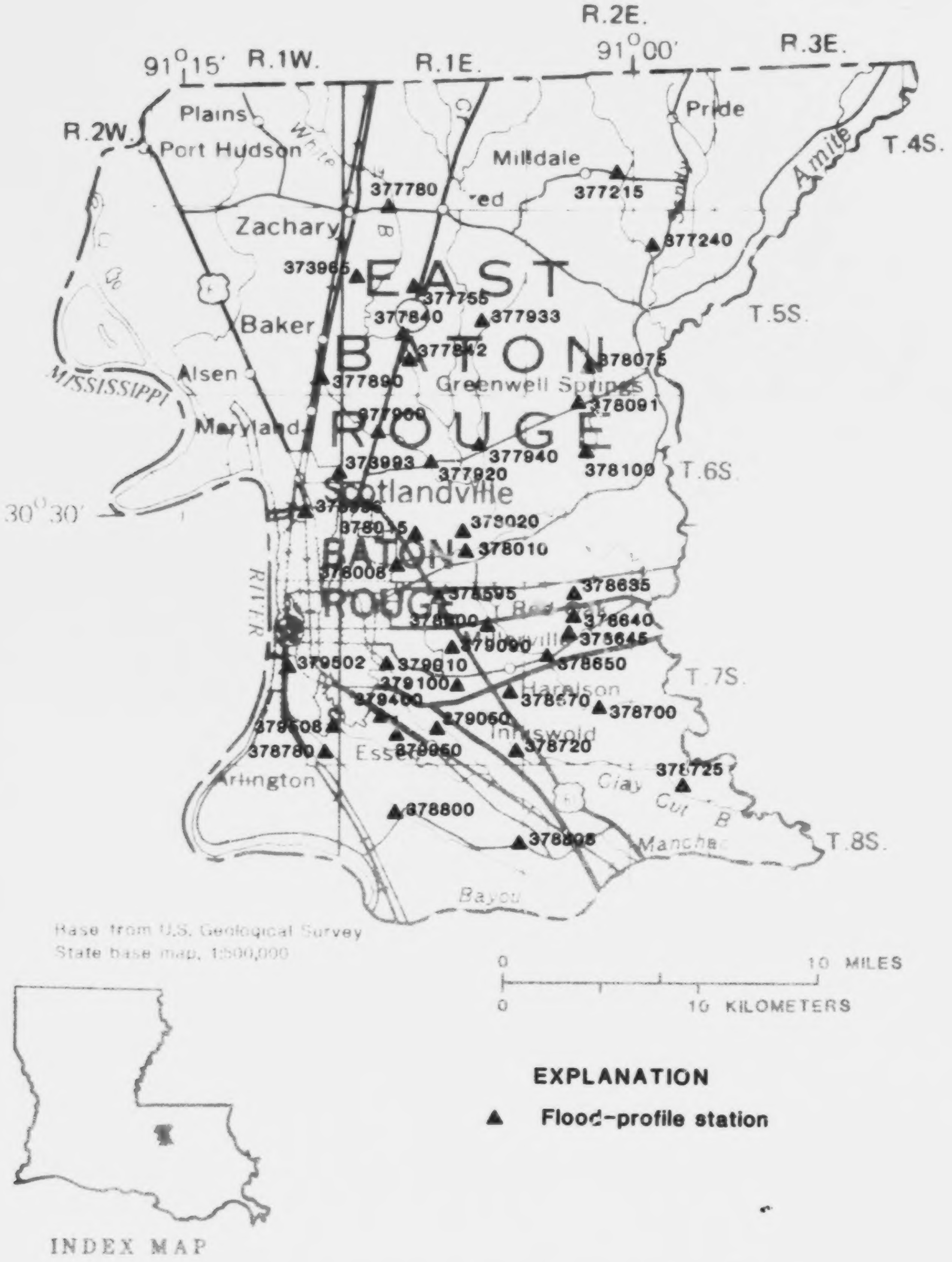

EXPLANATION
▲ Flood-profile station
ARKANSAS
MISSISSIPPI
TEXAS
351200
360820
351300
360365
369016
369024
369460
369455
369457
355490
491800
380223
380226
380227
See fig 7
PART 8
PART 7
PART 2

Figure 6.--Location of flood-profile stations.


R.2E.
91°15′
R.1W.
R.1E.
91°00′
R.3E.
R.2W.
Plains
Port Hudson
White
Pride
Milldale
Amite
T.4S.
377780
377215
377240
Zachary
373965
EAST
377755
377840
377933
Baker
BATON
377842
378075
Alsen
MISSISSIPPI
377890
Greenwell Springs
378091
Maryland
377900
ROUGE
373993
377940
377920
378100
T.5S.
T.6S.
30°30′
Scotlandville
378020
378010
BATON
378006
RIVER
ROUGE
378595
378635
378640
378645
379090
378650
379502
379010
379100
379400
378670
378700
T.7S.
379508
379050
Inniswold
378780
379060
378720
Essen
378725
Arlington
Clay
Cut
B
378800
378805
Manchac
T.8S.
Bayou
0
10 MILES
0
10 KILOMETERS
EXPLANATION
▲ Flood-profile station
INDEX MAP

Base from U.S. Geological Survey State base map, 1:500,000

Figure 7.--Location of flood-profile stations in East Baton Rouge Parish.

comparison with other station records from the same or nearby basins. Likewise, daily contents may be estimated from operator's logs, previous or following record, inflow-outflow studies, and other information. Information explaining how estimated daily-discharge values are identified in station records is included in the next two sections, "Data Presentation" (REMARKS paragraph) and "Identifying Estimated Daily Discharge."

## Data Presentation

The records published for each gaging station consist of two parts, the manuscript or station description and the data table for the current water year. The manuscript provides, under various headings, descriptive information, such as station location; period of record, average discharge; historical extremes; record accuracy; and other remarks pertinent to station operation and regulation. The following information, as appropriate is provided with each continuous record of discharge or lake content. Comments to follow clarify information presented under the various headings of the station description.

LOCATION.--Information on locations is obtained from the most accurate maps available. The location of the gage with respect to the cultural and physical features in the vicinity and with respect to the reference place mentioned in the station name is given. River mileages, given for only a few stations, were determined by methods given in "River Mileage Measurement," Bulletin 14, Revision of October 1968, prepared by the Water Resources Council or were provided by the U.S. Army Corps of Engineers.

DRAINAGE AREA.--Drainage areas are measured using the most accurate maps available. Because the type of maps available varies from one drainage basin to another, the accuracy of drainage areas likewise varies. Drainage areas are updated as better maps become available.

PERIOD OF RECORD.--This indicates the period for which there are published records for the station or for an equivalent station. An equivalent station is one that was in operation at a time that the present station was not, and whose location was such that records from it can reasonably be considered equivalent with records from the present station.

REVISED RECORDS.--Published records, because of new information, occasionally are found to be incorrect, and revisions are printed in later reports. Listed under this heading are all the reports in which revisions have been published for the station and the water years to which the revisions apply. If a revision did not include daily, monthly, or annual figures of discharge, that fact is noted after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the most recently revised figure was first published is given.

GAGE.--The type of gage in current use, the datum of the current gage referred to National Geodetic Vertical Datum of 1929 (see glossary), and a condensed history of the types, locations, and datums of previous gages are given under this heading.

REMARKS.--All periods of estimated daily-discharge record will either be identified by date in this paragraph of the station description for water-discharge stations or flagged in the daily-discharge table. (See next section, "Identifying Estimated Daily Discharge.") If a remarks statement is used to identify estimated record, the paragraph will begin with this information presented as the first entry. The paragraph is also used to present information relative to the accuracy of the records, to special methods of computation, to conditions that affect natural flow at the station and, possibly, to other pertinent items. For reservoir stations, information is given on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir.

COOPERATION.--Records provided by a cooperating organization or obtained for the Geological Survey by a cooperating organization are identified here.

AVERAGE DISCHARGE.--The discharge value given is the arithmetic mean of the water-year mean discharges. It is computed only for stations having at least 5 water years of complete record, and only water years of complete record are included in the computation. It is not computed for stations where diversions, storage, or other water-use practices cause the value to be meaningless. If water developments significantly altering flow at a station are put into use after the station has been in operation for a period of years, a new average is computed as soon as 5 water years of record have accumulated following the development. The median of yearly mean discharges also is given under this heading for stations having 10 or more water years of record, if the median differs from the average given by more than 10 percent.

EXTREMES FOR PERIOD OF RECORD.--Extremes may include maximum and minimum stages and maximum and minimum discharges or content. Unless otherwise qualified, the maximum discharge or content is the instantaneous maximum corresponding to the highest stage that occurred. The highest stage may have been obtained from a graphic or digital recorder, a crest-stage gage, or by direct observation of a nonrecording gage. If the maximum stage did not occur on the same day as the maximum discharge or content, it is given separately. Similarly, the minimum is the instantaneous minimum discharge, unless otherwise qualified, and was determined and is reported in the same manner as the maximum.

EXTREMES OUTSIDE PERIOD OF RECORD.--Included here is information concerning major floods or unusually low flows that occurred outside the stated period of record. The information may or may not have been obtained by the U.S. Geological Survey.

EXTREMES FOR CURRENT YEAR.--Extremes given here are similar to those for the period of record, except the peak discharge listing may include secondary peaks. For stations meeting certain criteria, all peak discharges and stages occurring during the water year and greater than a selected base discharge are presented under this heading. The peaks greater than the base discharge, excluding the highest one, are referred to as secondary peaks. Peak discharges are not published for canals, ditches, drains, or streams for which the peaks are subject to substantial control by man. The time of occurrence for peaks is expressed in 24-hour local standard time. For example, 12:30 a.m. is 0030, and 1:30 p.m. is 1330. The minimum for the current water year appears below the table of peak data.

REVISIONS.--If a critical error in published records is discovered, a revision is included in the first report published following discovery of the error.

Although rare, occasionally the records of a discontinued gaging station may need revision. Because, for these stations, there would be no current or, possible, future station manuscript published to document the revision in a "Revised Records" entry, users of data for these stations who obtained the record from previously published data reports may wish to contact the District office to determine if the published records were ever revised after the station was discontinued. Of course, if the data were obtained by computer retrieval, the data would be current and there would be no need to check because any published revision of data is always accompanied by revision of the corresponding data in computer storage.

Manuscript information for lake or reservoir stations differs from that for stream stations in the nature of the "Remarks" and in the inclusion of a skeleton stage-capacity table when daily contents are given.

The daily table for stream-gaging stations gives mean discharge for each day and is followed by monthly and yearly summaries In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also is usually expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN."), or in acre-feet (line headed "AC-FT"). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion or if the drainage area includes large noncontributing areas. In the yearly summary below the monthly summary, the figures shown are the appropriate discharges for the calendar and water years. At some stations monthly and (or) yearly observed discharges are adjusted for reservoir storage or diversion, or diversions or reservoir contents are given. These figures are identified by a symbol and corresponding footnote.

Data collected at partial-record stations follow the information for continuous-record sites. Data for partial-record discharge stations are presented in three tables. The first is a table of annual maximum stage and discharge at crest-stage stations, and the second is a table of annual maximum stages at flood-profile stations. The tables of partial-record stations are followed by a listing of discharge measurements made at sites other than continuous-record or partial-record stations. These measurements are generally made in time of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

## Identifying Estimated Daily Discharge

Estimated daily-discharge values published in the water-discharge tables of annual State data reports are identified either by flagging individual daily values with the letter symbol "e" and printing a table footnote, "e Estimated," or by listing the dates of the estimated record in the REMARKS paragraph of the station description.

## Accuracy of the Records

The accuracy of streamflow data depends primarily on (1) the stability of the stage-discharge relation or, if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretations of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily mean discharges are within 5 percent; "good" within 10 percent' and "fair" within 15 percent. "Poor" means that daily mean discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 cfs; to tenths between 1.0 and 10 cfs; to whole numbers between 10 and 1,000 cfs; and to 3 significant figures above 1,000 cfs. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations.

Discharges at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effect of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes, or to other factors. For such stations, figures of cubic feet per second per square mile and of runoff in inches are not published unless satisfactory adjustments can be made for diversions, for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

## Other Records Available

Records of discharge, not published by the Geological Survey, are collected in Louisiana at several sites by the U.S. Army Corps of Engineers. The National Water Data Exchange (NAWDEX), U.S. Geological Survey, Reston, VA 22092, maintains an index of these sites as well as an index of records of discharge collected by other agencies but not published by the Geological Survey. Information on records at specific sites can be obtained from that office upon request.

Information used in the preparation of the records in this publication, such as discharge-measurement notes, gage-height records, temperature measurements, and rating tables are on file in the Louisiana District office. Also, most of the daily mean discharges are in computer-readable form and have been analyzed statistically. Information on the availability of the unpublished information or on the results of statistical analyses of the published records may be obtained from the District office.

## Records of Surface-Water Quality

Records of surface-water quality ordinarily are obtained at or near stream-gaging stations because interpretation of records of surface-water quality nearly always requires corresponding discharge data. Records of surface-water quality in this report may involve a variety of types of data and measurement frequencies.

### Classification of Records

Water-quality data for surface-water sites are grouped into one of three classifications. A continuing-record station is a site where data are collected on a regularly scheduled basis. Frequency may be once or more times daily, weekly, monthly, or quarterly. A partial-record station is a site where limited water-quality data are collected systematically over a period of years. Frequency of sampling is usually less than quarterly. A miscellaneous sampling site is a location other than a continuing or partial-record station, where random samples are collected to give better areal coverage to define water-quality conditions in the river basin.

A careful distinction needs to be made between "continuing records" as used in this report and "continuous recordings," which refers to a continuous graph or a series of discrete values punched at short intervals on a paper tape. Some records of water quality, such as temperature and specific conductance, may be obtained through continuous recordings; however, because of costs, most data are obtained only monthly or less frequently. Locations of stations for which records on the quality of surface water appear in this report are shown in figures 8 and 16.

### Arrangement of Records

Water-quality records collected at a surface-water daily record station are published immediately following that record, regardless of the frequency of sample collections. Station number and name are the same for both records. Where a surface-water daily record station is not available or where the water quality differs significantly from that at the nearby surface-water station, the continuing water-quality record is published with its own station number and name in the regular downstream-order sequence. Water-quality data for partial-record stations and for miscellaneous sampling sites appear in separate tables following the table of discharge measurements at miscellaneous sites.

### On-Site Measurements and Sample Collection

In obtaining water-quality data, a major concern needs to be assuring that the data obtained represent the in situ quality of the water To assure this, certain measurements, such as water temperature, pH, and dissolved oxygen, need to be made on site when the samples are taken. To assure that measurements made in the laboratory also represent the in situ water, carefully prescribed procedures need to be followed in collecting the samples, in treating the samples to prevent changes in quality pending analysis, and in shipping the samples to the laboratory. Procedures for on-site measurements and for collecting, treating, and shipping samples are given in publications on "Techniques of Water-Resources Investigations," Book 1, Chapter D2; Book 3, Chapter C2; Book 5, Chapters A1, A3, and A4. All of these references are listed on page 22 of this report. Also, detailed information on collecting, treating, and shipping samples may be obtained from the Geological Survey District Office.

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load. All samples obtained for the National Stream Quality Accounting Network (see definitions) are obtained from at least several verticals. Whether samples are obtained from the centroid of flow or from several verticals, depends on flow conditions and other factors which must be evaluated by the collector.

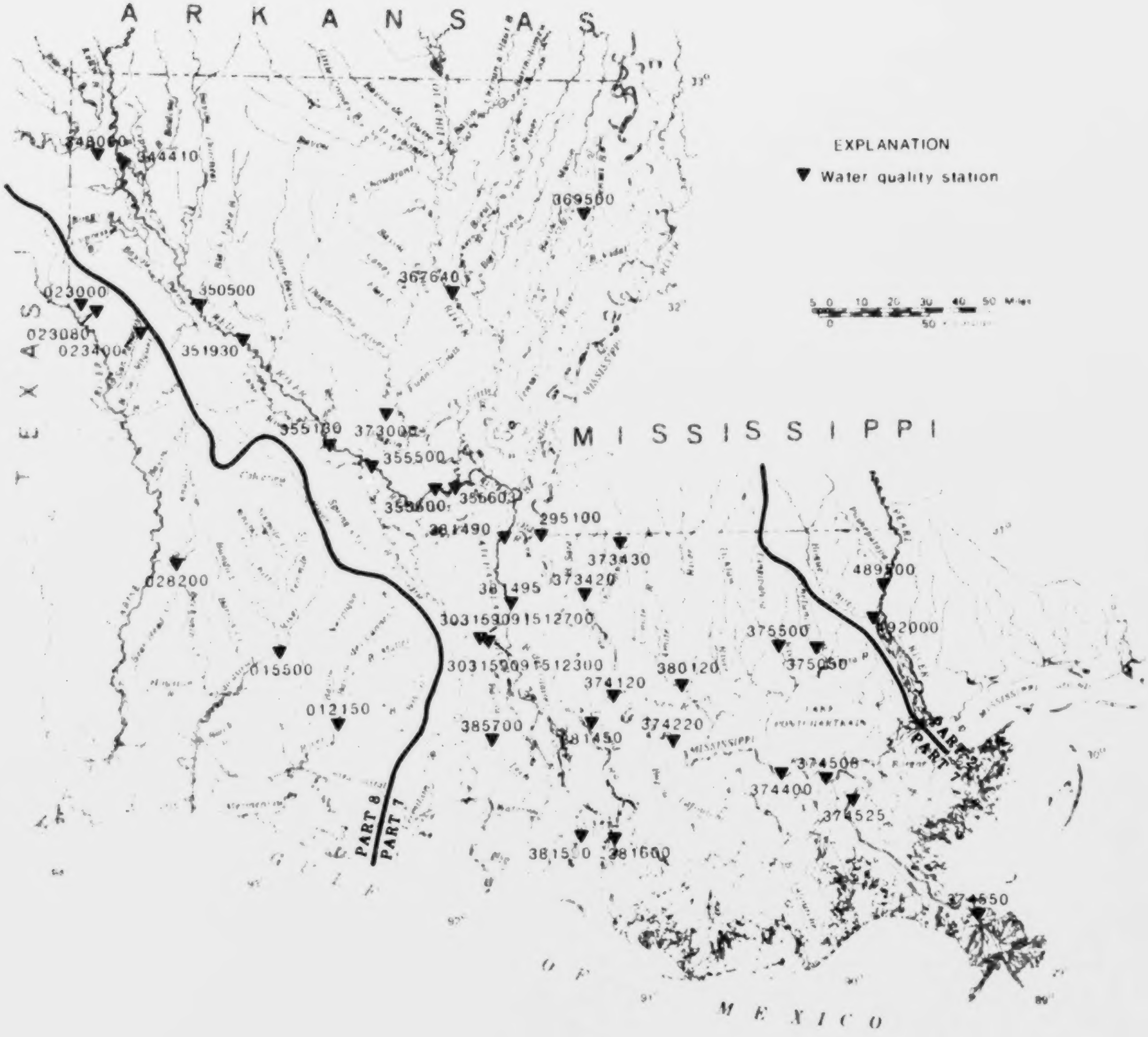

ARKANSAS
TEXAS
MISSISSIPPI
GULF OF MEXICO
EXPLANATION
▼ Water quality station
0 10 20 30 40 50 Miles
0 50
33°
32°
31°
30°
29°
94°
93°
92°
91°
90°
89°
348000
344410
369500
367640
023000
023080
023400
350500
351930
355100
373000
355500
355600
355600
381490
295100
373430
373420
381495
028200
303159091512700
303159091512300
015500
012150
385700
374120
381450
374220
380120
375500
375050
489500
492000
374400
374500
374525
381500
381600
374550
PART 8
PART 7
LAKE PONTCHARTRAIN
MISSISSIPPI

Figure 8.--Location of water-quality stations.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. In the rare case where an apparent inconsistency exists between a reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between measurement of pH in the field and determination of carbonate and bicarbonate in the laboratory.

For chemical-quality stations equipped with digital monitors, the records consist of daily maximum, minimum, and mean values for each constituent measured and are based upon hourly punches beginning at 0100 hours and ending at 2400 hours for the day of record. More detailed records (hourly values) may be obtained from the U.S.G.S. District Office whose address is given on the back of the title page of this report.

## Water Temperature

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at time of discharge measurements for water-discharge stations. For stations where water temperatures are taken manually once daily, the water temperatures are taken at about the same time each day. Large streams have a small diurnal temperature change; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharge.

At stations where recording instruments are used, either mean temperatures or maximum and minimum temperatures for each day are published.

## Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers or point samplers. Samples usually are obtained along several vertical lines in the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross sections.

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided-day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided day method. For periods when no samples were collected, daily loads of suspended sediment were estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge.

As other stations, suspended-sediment samples were collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observations, such data are useful in establishing seasonal relations between quality and streamflow in predicting long-term sediment-discharge characteristics of the stream.

In addition to the records of the quantities of suspended sediment, records of the periodic measurements for the particle-size distribution of the suspended sediment and bed material are included.

## Laboratory Measurements

Sediment samples, samples for biochemical-oxygen demand (BOD), samples for indicator bacteria, and daily samples for specific conductance are analyzed locally. All other samples are analyzed in the Geological Survey laboratory in Arvada, Colo. Methods used in analyzing sediment samples and computing sediment records are given in TWRI, Book 5, Chapter C1. Methods used by the Geological Survey laboratory are given in TWRI, Book 1, Chapter D2; Book 3, Chapter C2; Book 5, Chapters A1, A3, and A4.

## Data Presentation

For continuing-record stations, information pertinent to the history of station operation is provided in descriptive headings preceding the tabular data. These descriptive headings give details regarding location, drainage area, period of record, type of data available, instrumentation, general remarks, cooperation, and extremes for parameters currently measured daily. Tables of chemical, physical, biological, radiochemical data, and so forth, obtained at a frequency less than daily are presented first. Tables of "daily values" of specific conductance, pH, water temperature, dissolved oxygen, and suspended sediment then follow in sequence.

In descriptive headings, if the location is identical to that of the discharge gaging station, neither the LOCATION nor the DRAINAGE AREA statements are repeated. The following information, as appropriate, is provided with each continuous-record station. Comments that follow clarify information presented under the various headings of the station description.

LOCATION.--See Data Presentation under "Records of Stage and Water Discharge;" same comments apply.

DRAINAGE AREA.--See Data Presentation under "Records of Stage and Water Discharge;" same comments apply.

PERIOD OF RECORD.--This indicates the periods for which there are published water-quality records for the station. The periods are shown separately for records of parameters measured daily or continuously and those measured less than daily. For those measured daily or continuously, periods of record are given for the parameters individually.

INSTRUMENTATION.--Information on instrumentation is given only if a water-quality monitor temperature record, sediment pumping sampler, or other sampling device is in operation at a station.

REMARKS.--Remarks provide added information pertinent to the collection, analysis, or computation of the records.

COOPERATION.--Records provided by a cooperating organization or obtained for the Geological Survey by a cooperating organization are identified here.

EXTREMES.--Maximums and minimums are given only for parameters measured daily or more frequently. None are given for parameters measured weekly or less frequently, because the true maximums or minimums may not have been sampled. Extremes, when given, are provided for both the period of record and for the current water year.

REVISIONS.--If errors in published water-quality records are discovered after publication, appropriate updates are made to the Water-Quality File in the U.S. Geological Survey's computerized data system, WATSTORE, and subsequently by monthly transfer of update transactions to the U.S. Environmental Protection Agency's STORET system. Because the usual volume of updates makes it impractical to document individual changes in the State data-report series or elsewhere, potential users of U.S. Geological Survey water-quality data are encouraged to obtain all required data from the appropriate computer file to insure the most recent updates.

The surface-water-quality records for partial-record stations and miscellaneous sampling sites are published in separate tables following the table of discharge measurements at miscellaneous sites. No descriptive statements are given for these records. Each station is published with its own station number and name in the regular downstream-order sequence.

### Remark Codes

The following remark codes may appear with the water-quality data in this report:

| PRINTED OUTPUT | REMARK |
|---|---|
| E | Estimated value |
| > | Actual value is known to be greater than the value shown |
| < | Actual value is known to be less than the value shown |
| K | Results based on colony count outside the acceptance range (non-ideal colony count) |

## Records of Ground-Water Levels

### Data Collection and Computation

Measurements of water levels are made in many types of wells under varying conditions, but the methods of measurement are standardized to the extent possible. The equipment and measuring techniques used at each observation well ensure that measurements at each well are of consistent accuracy and reliability.

Tables of water-level data are presented by parishes arranged in alphabetical order. The prime identification number for a given well is the 15-digit number that appears in the upper left corner of the table. The secondary identification number is the local well number, an alphanumeric number, derived from the township-range location of the well.

Water-level records are obtained from direct measurements with a steel tape or from the graph or punched tape of a water-stage recorder. The water-level measurements in this report are given in feet with reference to land-surface datum (lsd). Land-surface datum is a datum plane that is approximately at land surface at each well. If known, the elevation of the land-surface datum is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported for every fifth day and the end of each month (eom).

Water levels are reported to as many significant figures as can be justified by the local conditions. For example, in a measurement of a depth to water of several hundred feet, the error of determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or a few hundredths of a foot. For lesser depths to water, the accuracy is greater. Accordingly, most measurements are reported to a hundredth of a foot, but some are given to a tenth of a foot or a larger unit.

### Data Presentation

Each well record consists of two parts, the station description and the data table of water levels observed during the water year. The description of the well is presented first through use of descriptive headings preceding the tabular data. Locations of stations for which records on ground water appear in this report are shown in figures 9-15.

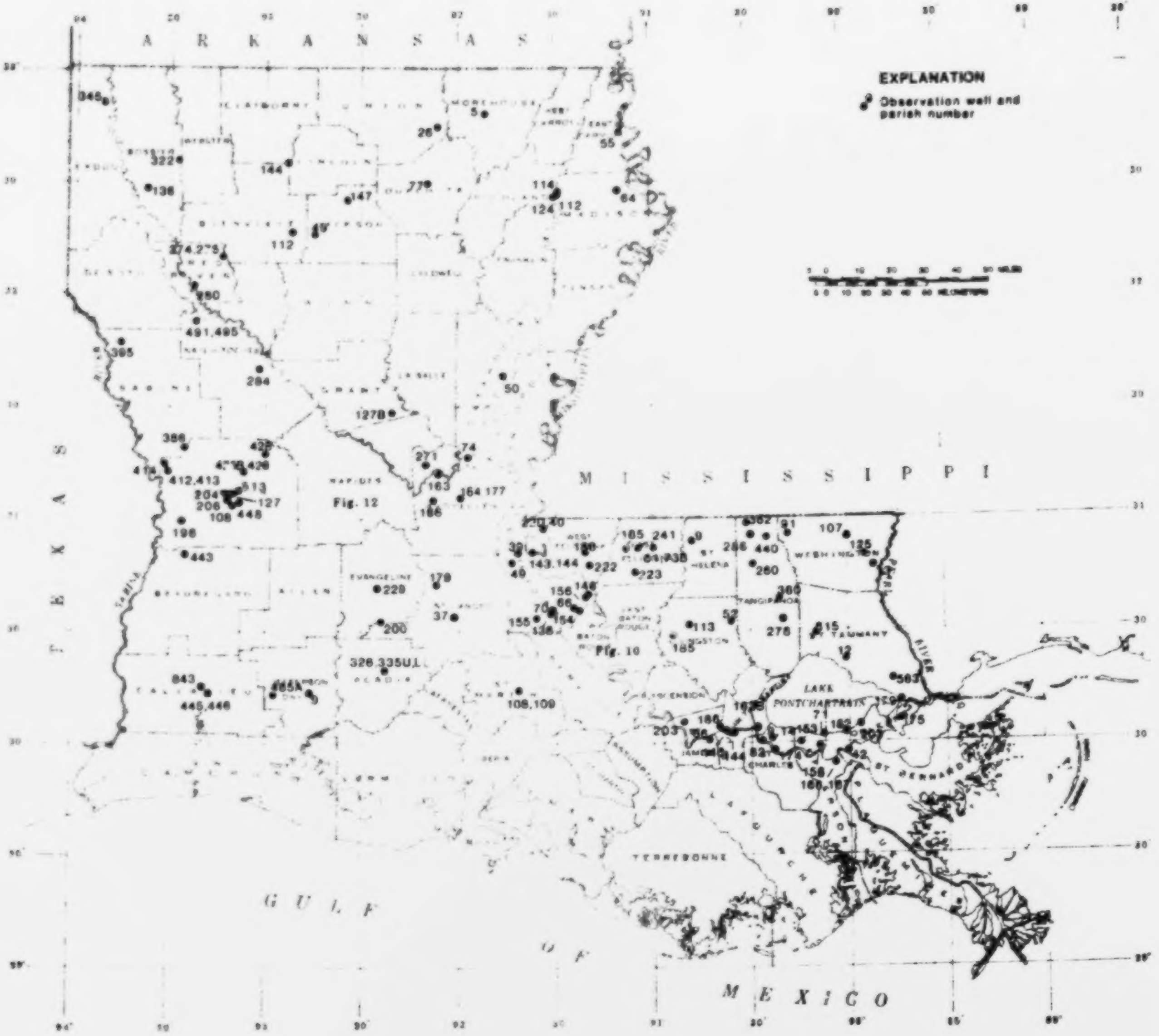
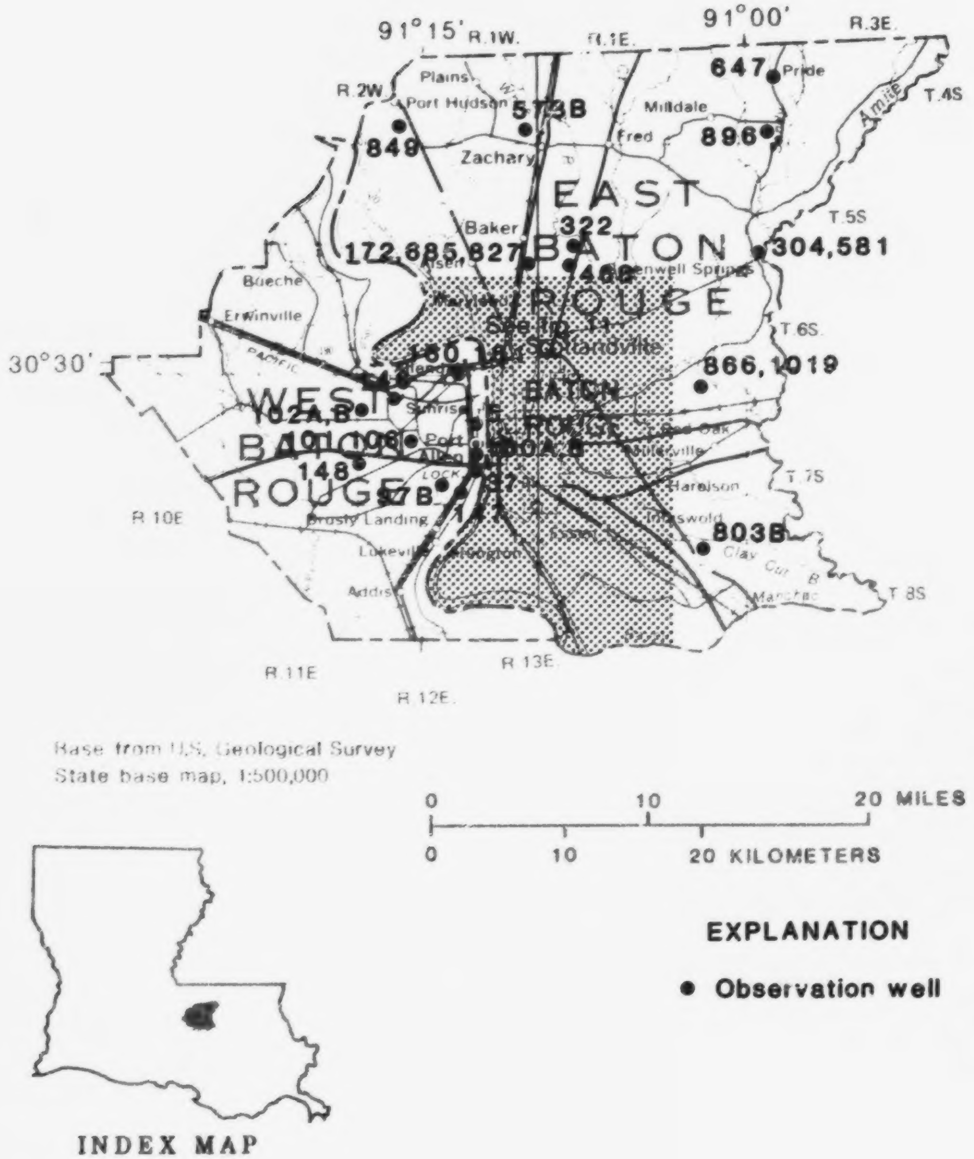
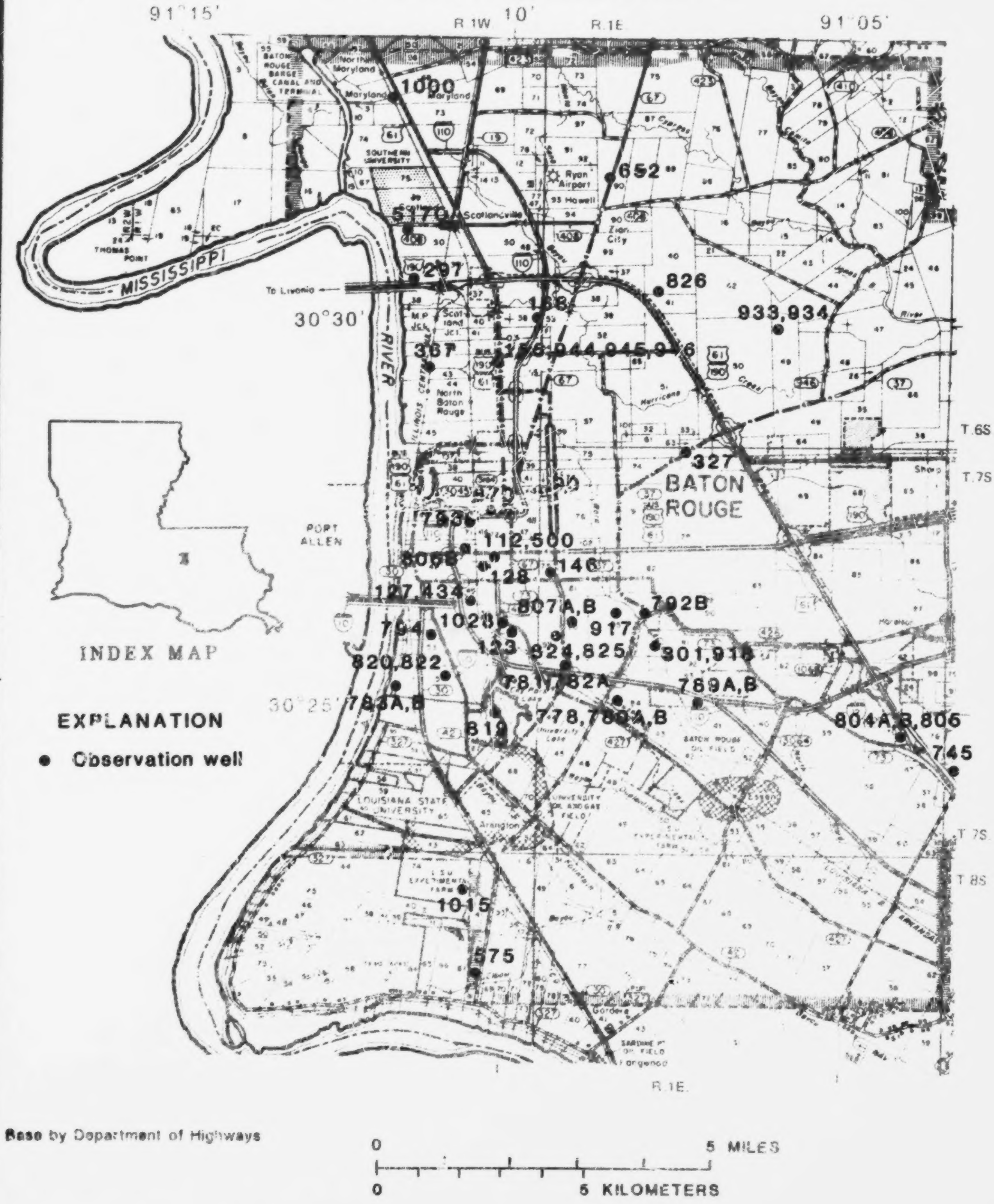

A R K A N S A S
M I S S I S S I P P I
T E X A S
G U L F O F M E X I C O
EXPLANATION
Observation well and parish number
Fig. 12
Fig. 10
LAKE PONTCHARTRAIN
TERREBONNE
EVANGELINE
WASHINGTON
TANGIPAHOA
MOREHOUSE
GRANT
RAPIDES
ST BERNARD
849
322
136
144
26
5
55
77
147
116
124 112
64
112
274,275
280
491,495
395
284
50
127B
386
428
416
412,413
204
206
513
127
108
448
271
74
163
164 177
186
196
443
229
200
179
37
326,335U
220 40
321
143,144
49
222
156
70
135
155
113
185
223
241
286
362
91
440
107
125
260
360
278
315
12
563
203
71
843
445,446
108,109

Figure 9.--Location of observation wells.


91°15'
91°00'
30°30'
R.1W.
R.1E.
R.2W.
R.3E.
R.10E
R.11E
R.12E.
R.13E.
T.4S
T.5S
T.6S.
T.7S
T.8S
EAST BATON ROUGE
WEST BATON ROUGE
BATON ROUGE
647
573B
849
896
322
172,685,827
468
304,581
866,1019
102A,B
148
37B
803B
Pride
Plains
Port Hudson
Milldale
Fred
Zachary
Baker
Greenwell Springs
Erwinville
Sunrise
Port Allen
Brusly Landing
Addis
Harelson
Clay
Amite
See fig. 11
0
10
20 MILES
0
10
20 KILOMETERS
EXPLANATION
● Observation well
INDEX MAP

Base from U.S. Geological Survey
State base map, 1:500,000

Figure 10.--Location of observation wells in East and West Baton Rouge Parishes.


91°15'
R.1W.
10'
R.1E.
91°05'
30°30'
30°25'
T.6S
T.7S
T.7S.
T.8S
R.1E.
MISSISSIPPI
RIVER
BATON ROUGE
PORT ALLEN
North Maryland
Maryland
SOUTHERN UNIVERSITY
Scotlandville
Ryan Airport
Zion City
THOMAS POINT
To Livonia
North Baton Rouge
LOUISIANA STATE UNIVERSITY
L.S.U. EXPERIMENTAL FARM
BATON ROUGE OIL FIELD
UNIVERSITY OIL AND GAS FIELD
Arlington
Gardere
Longwood
SARDINE PT. OIL FIELD
1000
652
5170
297
826
933,934
138
367
125,944,945,946
327
470
500
753
112,500
806B
128
146
127,434
807A,B
792B
794
1028
917
123
824,825
301,918
820,822
781,782A
789A,B
783A,B
819
778,780A,B
804A,B,806
745
1015
575
INDEX MAP
EXPLANATION
● Observation well
0
5 MILES
0
5 KILOMETERS

Base by Department of Highways

Figure 11.--Location of observation wells in shaded area of figure 10.

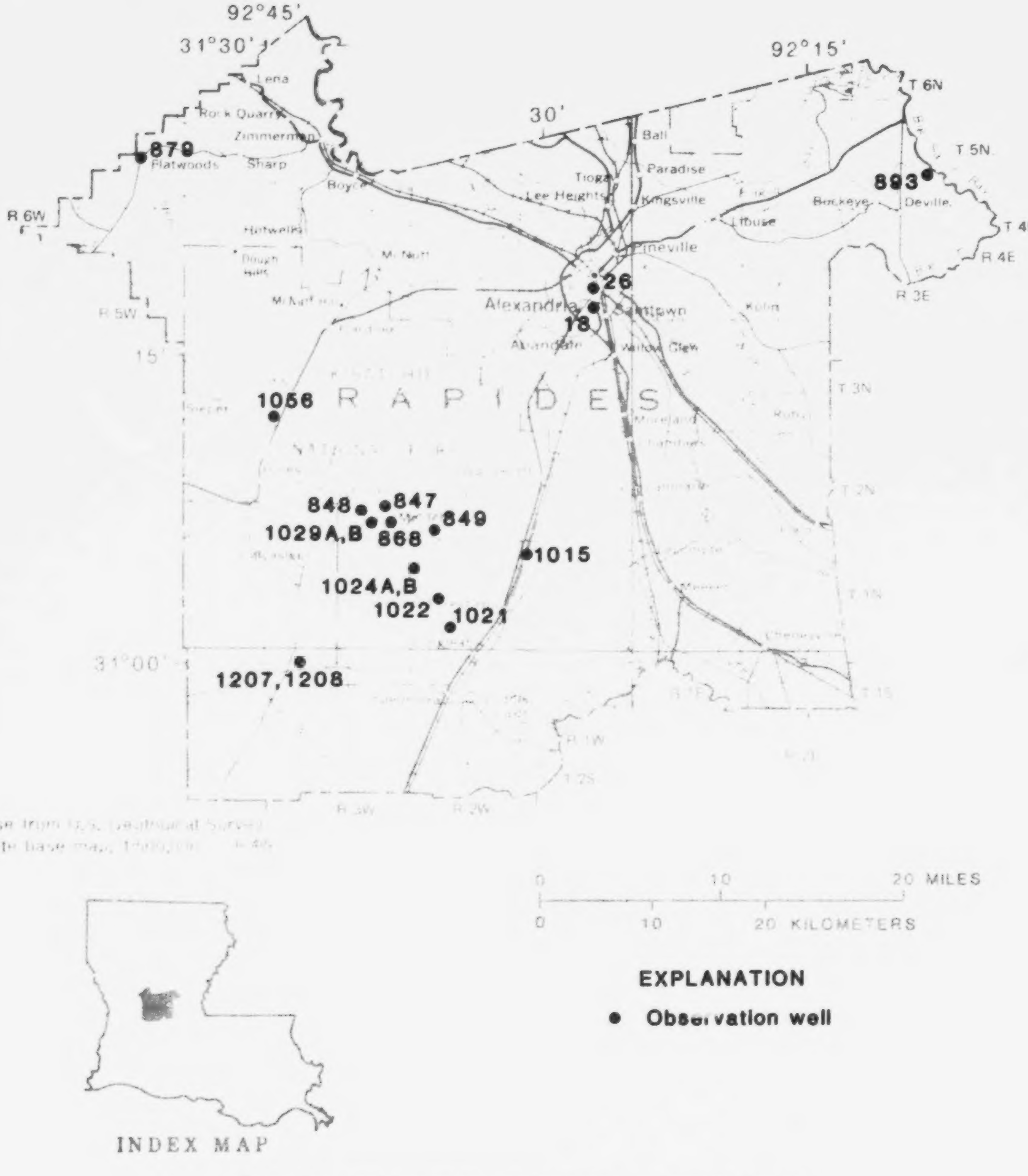
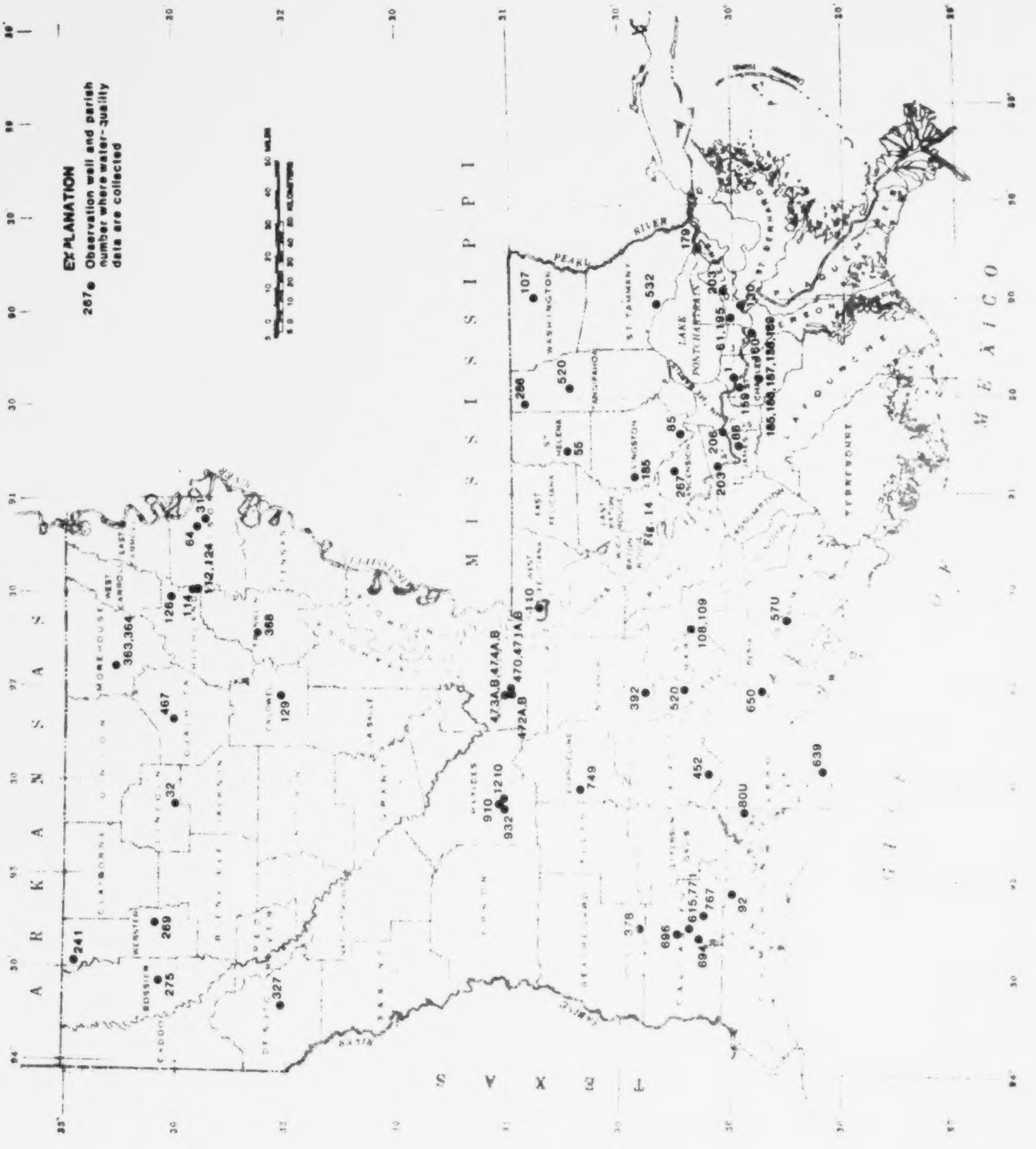

92°45'
31°30'
92°15'
30'
15'
31°00'
Lena
Rock Quarry
Zimmerman
879
Flatwoods
Sharp
Boyce
Hotwells
McNutt
Ball
Paradise
Tioga
Lee Heights
Kingsville
Libuse
Buckeye
893
Deville
Pineville
26
Alexandria
18
Woodworth
Willow Glen
RAPIDES
1056
848
847
849
1029A,B
868
1015
1024A,B
1022
1021
1207,1208
T 6N
T 5N
T 4N
T 3N
T 2N
T 1N
T 1S
T 2S
R 6W
R 5W
R 4E
R 3E
R 1W
R 2W
R 3W
Base from U.S. Geological Survey
State base map, 1:500,000
0 10 20 MILES
0 10 20 KILOMETERS
EXPLANATION
● Observation well
INDEX MAP

Figure 12. --Location of observation wells in Rapides Parish.



ARKANSAS
MISSISSIPPI
TEXAS
GULF OF MEXICO
EXPLANATION
267● Observation well and parish number where water-quality data are collected
0 10 20 30 40 50 MILES
0 10 20 30 40 50 KILOMETERS
241
275
269
32
467
363,364
126
114
112,124
64
31
327
129
368
910
1210
932
473A,B,474A,B
472A,B
470,471A,B
110
286
107
520
55
749
378
392
696
615,771
694
767
92
452
80U
520
108,109
650
57U
639
185
267
85
532
179
203
206
86
159
1
61,195
203
130
160
165,166,167,168,169
Fig. 14
LAKE PONTCHARTRAIN
PEARL RIVER

Figure 13.--Location of wells for which water-quality data are included.

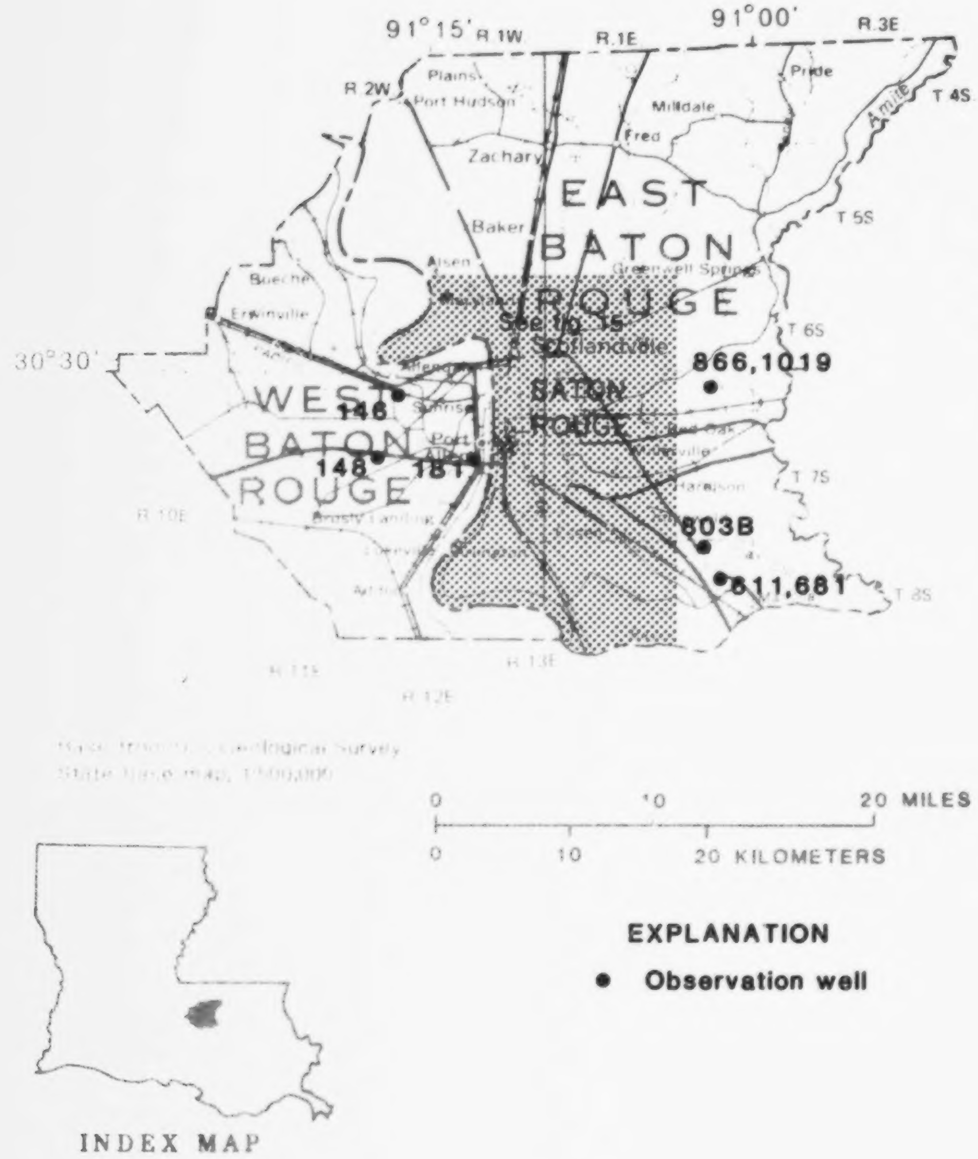
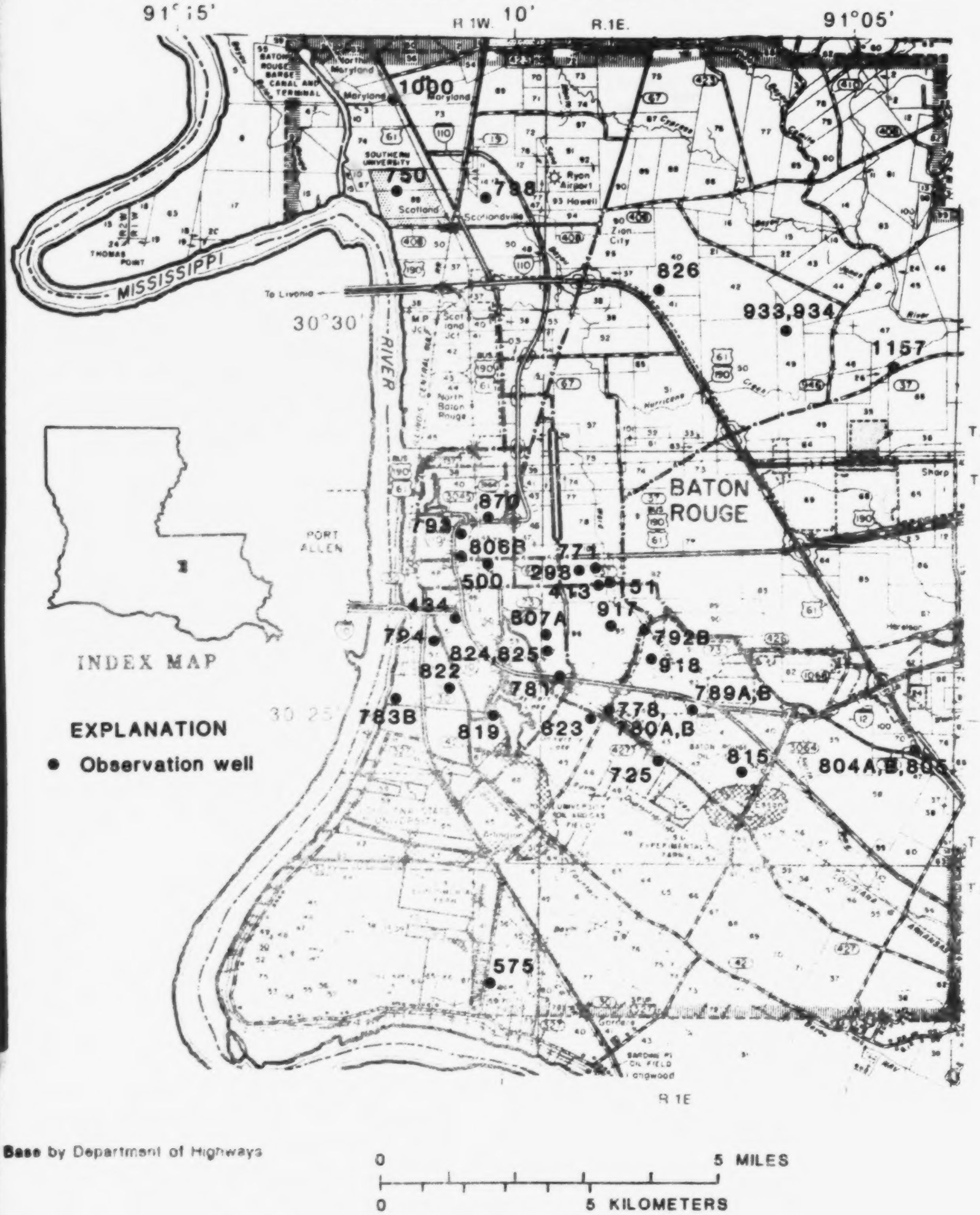

91°15'
91°00'
R.1W
R.1E
R.3E
R.2W
T.4S
T.5S
T.6S
T.7S
T.8S
30°30'
R.10E
R.11E
R.12E
R.13E
Plains
Port Hudson
Zachary
Milldale
Fred
Pride
Amite
Baker
Alsen
Greenwell Springs
Buechel
Erwinville
Scotlandville
See fig. 15
EAST
BATON
ROUGE
WEST
BATON
ROUGE
Port Allen
Harrison
Brusly Landing
866,1019
146
148
181
603B
611,681
0
10
20 MILES
0
10
20 KILOMETERS
EXPLANATION
● Observation well
INDEX MAP

Figure 14.--Location of wells for which water-quality data are included in East and West Baton Rouge Parishes.


91°15'
10'
91°05'
R.1W.
R.1E.
30°30'
30°25'
T.6S.
T.7S.
T.8S.
MISSISSIPPI
RIVER
BATON ROUGE
PORT ALLEN
Scotland
Scotlandville
Zion City
Ryan Airport
North Baton Rouge
To Livonia
1000
750
788
826
933,934
1157
870
793
806B
771
298
500
413
151
434
917
807A
794
792B
824,825
918
822
781
789A,B
783B
819
823
778,
780A,B
725
815
804A,B,805
575
INDEX MAP
EXPLANATION
● Observation well
0
5 MILES
0
5 KILOMETERS

Base by Department of Highways

Figure 15.--Location of wells for which water-quality data are included in shaded area of figure 14.

A table of water levels follows the station description for each well. Water levels are reported in feet below land-surface datum and all taped measurements of water levels are listed. For wells equipped with recorders, only abbreviated tables are published; generally, only water-level lows are listed for every fifth day and at the end of the month (eom). The highest and lowest water levels for the period of record and their dates of occurrence are shown on a line above the abbreviated table. Because all values are not published for wells with recorders, the extremes may be values that are not listed in the table. Missing records are indicated by dashes in place of the water level.

## Records of Ground-Water Quality

Records of ground-water quality in this report differ from other types of records in that for most sampling sites they consist of only one set of measurements for the water year. The quality of ground water ordinarily changes only slowly; therefore, for most general purposes one annual sampling, or only a few samples taken at infrequent intervals during the year, is sufficient. Frequent measurement of the same constituents is not necessary unless one is concerned with a particular problem, such as monitoring for trends in nitrate concentration. In the special cases where the quality of ground water may change more rapidly, more frequent measurements are made to identify the nature of the changes.

### Data Collection and Computation

Most methods for collecting and analyzing water samples are described in the "U.S. Geological Survey Techniques of Water-Resources Investigations" manuals listed on a following page. The values reported in this report represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. All samples were obtained by trained personnel. The wells sampled were pumped long enough to assure that the water collected came directly from the aquifer and had not stood for a long time in the well casing where it would have been exposed to the atmosphere and to the material, possibly metal, comprising the casings.

### Data Presentation

The records of ground-water quality are published in a section titled "QUALITY OF GROUND WATER" which immediately follows the ground-water-level records. Data for quality of ground water are listed alphabetically by Parish, and are identified by well number. The prime identification number for wells sampled is the 15-digit number derived from the latitude-longitude locations. No descriptive statements are given for ground-water-quality records; however, the well number, depth of well, date of sampling, and other pertinent data are given in the table containing the chemical analyses of the ground water.

## ACCESS TO WATSTORE DATA

The National WATer Data STOrage and REtrieval System (WATSTORE) was established for handling water data collected through the activities of the U.S. Geological Survey and to provide for more effective and efficient means of releasing the data to the public. The system is operated and maintained on the central computer facilities of the Survey at its National Center in Reston, Virginia.

WATSTORE can provide a variety of useful products ranging from simple data tables to complex statistical analyses. A minimal fee, plus the actual computer cost incurred in producing a desired product, is charged to the requester. Information about the availability of specific types of data, the acquisition of data or products, and user charges can be obtained locally from each of the Water Resources Division's District offices (see address given on the back of the title page).

General inquires about WATSTORE may be directed to:

Chief Hydrologist
U.S. Geological Survey
437 National Center
Reston, Virginia 22092

## DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. See also the table for converting inch-pound units to International System of metric units (SI) on the inside of the back cover.

**Acre-foot** (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.

**Aquifer** is a geologic formation, group of formations, or part of a formation that contains sufficient saturated permeable material to yield significant quantities of water to wells and springs.

**Artesian** means confined and is used to describe a well in which the water level stands above the top of the aquifer tapped by the well. A flowing artesian well is one in which the water level is above the land surface.

**Bacteria** are microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, often grouped into colonies. Some bacteria cause disease, others perform an essential role in nature in the recycling of materials. NOTE: The letter "K" preceding a value indicates the results are based on colony count outside the ideal range.

**Total coliform bacteria** are a particular group of bacteria that are used as indicators of possible sewage pollution. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria that ferment lactose with gas formation within 48 hours at 35°C. In the laboratory these bacteria are defined as all the organisms that produce colonies within 24 hours when incubated at 35°C ± 0.5°C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

**Fecal coliform bacteria** are bacteria that are present in the intestines or feces of warm-blooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory they are defined as all the organisms that produce blue colonies within 24 hours when incubated at 44.5°C ± 0.2°C on MFC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

**Fecal streptococcal bacteria** are bacteria found in the intestines of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies with 48 hours at 35°C ± 1.0°C on M-enterrococcus medium (STORET CODE 31679), or on KF agar (STORET CODE 31673). Their concentrations are expressed as number of colonies per 100 mL of sample.

**Bed material** is the unconsolidated material of which a streambed, lake, pond, reservoir, or estuary bottom is composed.

**Biochemical oxygen demand** (BOD) is a measure of the quantity of dissolved oxygen, in milligrams per liter, necessary for the decomposition of organic matter by micro-organisms, such as bacteria.

**Biomass** is the amount of living matter present at any given time, expressed as the mass per unit area or volume of habitat.

**Ash mass** is the mass or amount of residue present after the residue from the dry-mass determination has been ashed in a muffle furnace at a temperature of 500°C for 1 hour. The ash mass values of zooplankton and phytoplankton are expressed in $g/m^3$ (grams per cubic meter), and periphyton and benthic organisms in $g/m^2$ (grams per square meter).

**Dry mass** refers to the mass of residue present after drying in an oven at 60°C for zooplankton and 60°C for periphyton, until the mass remains unchanged. This mass represents the total organic matter, ash and sediment, in the sample. Dry-mass values are expressed in the same units as for ash mass.

**Organic mass** or volatile mass of the living substance is the difference between the dry and ash mass, and represents the actual mass of the living matter. The organic mass is expressed in the same units as for ash mass and dry mass.

**Wet mass** is the mass of living matter plus contained water.

**Bottom material**: See Bed material.

**Recoverable from bottom material** refers to the amount of a given constituent that is in solution after a representative sample of bottom material has been digested by a method (usually using an acid or mixture of acids) that results in dissolution of only readily soluble substances. Complete dissolution of all bottom material is not achieved by the digestion treatment and thus the determination represents less than the total amount (that is, less than 95 percent) of the constituent in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

**Total in bottom material** is the total amount of a given constituent in a representative sample of bottom material. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total in bottom material".

**Cells/volume** refers to the number of cells on any organism that is counted by using a microscope and grid or counting cell. Many planktonic organisms are multicelled and are counted according to the number of contained cells per sample, usually milliliters (mL) or liters (L).

**Cfs-day** is the volume of water represented by flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, approximately 1.9835 acre-feet, about 646,000 gallons or 2,447 cubic meters.

**Chemical oxygen demand** (COD) is a measure of the chemically oxidizable material in the water, and furnishes an approximation of the amount of organic and reducing material present. The determined value may correlate with natural water color or with carbonaceous organic pollution from sewage or industrial wastes.

**Chlorophyll** refers to the green pigments of plants. Chlorophyll a and b are the two most common pigments in plants.

**Color unit** is produced by one milligram per liter of platinum in the form of the chloroplatinate ion. Color is expressed in units of the platinum-cobalt scale.

**Contents** is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

**Control** designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

**Control structure** as used in this report is a structure on a stream or canal that is used to regulate the flow or stage of the stream or to prevent the intrusion of salt water.

**Cubic feet per second** ($FT^3/S$, $ft^3/s$) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

**Cubic feet per second per square mile** (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

**Discharge** is the volume of water (or more broadly, volume of fluid plus suspended sediment), that passes a given point within a given period of time.

**Mean discharge** (MEAN) is the arithmetic mean of individual daily mean discharges during a specific period.

**Instantaneous discharge** is the discharge at a particular instant of time.

**Dissolved** refers to that material in a representative water sample which passes through a 0.45-micrometer membrane filter. This is a convenient operational definition used by Federal agencies that collect water data. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

**Diversity index** is a numerical expression of evenness of distribution of aquatic organisms. The formula for diversity index is:

$$\bar{d} = -\sum_{i=1}^{s} \frac{n_i}{n} \log_2 \frac{n_i}{n}$$

Where $n_i$ is the number of individuals per taxon, $n$ is the total number of individuals, and $s$ is the total number of taxa in the sample of the community. Diversity-index values range from zero, when all the organisms in the sample are the same, to some positive number, when some or all of the organisms in the sample are different.

**Drainage area** of a stream at a specific location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the river above the specified point. Figures of drainage area given herein include all closed basins, or noncontribution area, within the area unless otherwise noted.

**Drainage basin** is a part of the surface of the earth that is occupied by a drainage system, which consists of a surface stream or a body of impounded surface water.

**Elutriate** is the supernatant resulting from the vigorous 30-minute shaking of 1 part bottom sediment with 4 parts water from the proposed disposal site followed by 1 hour of letting the mixture settle and appropriate filtration or centrifugation.

**Gage height** (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used with a reading on a gage.

**Gaging station** is a particular site on a stream, canal, lake, or reservoir where systematic observations of hydrologic data are obtained.

**Hardness** of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCO_3$).

**Hydrologic unit** is a geographic area representing part or all of a surface-drainage basin or distinct hydrologic feature as delineated by the Office of Water Data Coordination on the State Hydrologic Unit Maps; each hydrologic unit is identified by an 8-digit number.

**Land-surface datum** (LSD) is a datum plane that is approximately at land surface at each well.

**Methylene blue active substance** (MBAS) is a measure of apparent detergents. This determination depends on the formation of a blue color when methylene blue dye reacts with synthetic detergent compounds.

**Micrograms per gram** (µg/g) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (gram) of sediment.

**Micrograms per kilogram** (µg/kg) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (kilogram) of sediment.

**Micrograms per liter** (UG/L, µg/L) is a unit expressing the concentration of chemical constituents in solution. Micrograms per liter represent the mass of solute per unit volume (liter) of water.

**Microsiemens per centimeter** (µS/cm) is a unit expressing measurement of specific electrical conductance.

**Milligrams per liter** (MG/L, mg/L) is a unit expressing the concentration of chemical constituents in solution. Milligrams per liter represent the mass of solute per unit volume (liter) of water. Concentration of suspended sediment also is expressed in mg/L, and is based on the mass of sediment per liter of water-sediment mixture.

**National Geodetic Vertical Datum of 1929** (NGVD) is a geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place.

**Organism** is any living entity, such as an insect, phytoplankter, or zooplankter.

**Organism count/volume** refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually milliliters (mL) or liters (L). Numbers of planktonic organisms can be expressed in these terms.

**Total organism count** is the total number of organisms collected and enumerated in any particular sample.

**Partial-record station** is a particular site where limited streamflow and/or water-quality data are collected systematically over a period of years for use in hydrologic analyses.

**Particle-size** is the diameter, in millimeters (mm), of suspended sediment or bed material determined by either sieve or sedimentation methods. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube) determine fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling).

**Particle-size classification** used in this report agrees with recommendations made by the American Geophysical Union Subcommittee on Sediment Terminology.

The classification is as follows:

| Classification | Size (mm) | Method of analysis |
|---|---|---|
| Clay.......... | 0.00024 - 0.004 | Sedimentation. |
| Silt.......... | .004 - .062 | Sedimentation. |
| Sand.......... | .062 - 2.0 | Sedimentation or sieve. |
| Gravel........ | 2.0 - 64.0 | Sieve. |

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. Most of the organic material is removed and the sample is subjected to mechanical and chemical dispersion before analysis in distilled water. Chemical dispersion is not used for native-water analysis.

**Percent composition** is a unit expressing the ratio of a particular part of a sample or population to the total sample or population, in terms of types, numbers, mass or volume.

**Pesticides** are chemical compounds used to control the growth of undesirable plants and animals. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides.

**Insecticides** are substances or a mixture of substances intended to prevent, destroy, or repel insects. The technical names for insecticides determined in this report are:

**Aldrin** 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8ahexahydro-exo-1,4-endo-5,8-dimethanonaphthalene.

**Chlordane** 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methanoindene.

**DDD** (combination of ortho and para isomers)
**o,p'-DDD** 1,1-dichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)-ethane,
**p,p'-DDD** 1,1-dichloro-2,2-bis(p-chlorophenyl)ethane.

**DDE** (combination of ortho and para isomers)
**o,p'-DDE** 1,1-dichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)-ethylene,
**p,p'-DDE** 1,1-dichloro-2-bis(p-chlorophenyl)ethylene.

**DDT** (combination of ortho and para isomers)
**o,p'-DDT** 1,1,1-trichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)-ethane,
**p,p'-DDT** 1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane.

**Diazinon** 0,0-Diethyl 0-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate.

**Dieldrin** 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-endo,exo-1,4:5,8-dimethanonaphthalene.

**Endosulfan** 1,4,5,6,7,7-hexachloro-5-norbornene-2,3-dimethanol cyclic sulfite.

**Endrin** 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-endo,endo-1,4:5,8-dimethanonaphthalene.

**Ethion** 0,0,0',0'-tetraethyl S,S'methylenediphosphorodithioate.

**Heptachlor** 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methano-1H indene.

**Heptachlor epoxide** 1,4,5,6,7,8,8-heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro-4,7-methanoindan.

**Lindane** 1,2,3,4,5,6-hexachlorocyclohexane, 99 percent or more of gamma-isomer.

**Malathion** S-(1,2-dicarbethoxyethyl) 0,0-dimethyldithiophosphate.

**Methyl parathion** 0,0-dimethyl 0-4-nitrophenyl phosphorothioate.

**Methyl trithion** phosphorodithioic acid S-[[(4-chlorophenyl) thio]-methyl] 0,0-dimethyl ester.

**Methoxychlor** 1,1,1-trichloro-2,2-bis(p-methoxyphenyl)ethane.

**Mirex** 1,1a,2,2,3,3a,4,5,5,5a,5b,6-dodecachlorooctahydro-1,3,4-metheno-1H-cyclobuta[cd] pentalene.

**Parathion** 0,0-diethyl 0-p-nitrophenyl phosphorothioate.

**Perthane** 1,1'-(2,2-dichloroethylidene)bis[4-ethylbenzene].

**Toxaphene** chlorinated camphene containing 67-69 percent chlorine by weight.

**Trithion** S-[[(p-chlorophenyl)thio]methyl] 0,0-diethyl phosphorodithioate.

**Herbicides** are substances or a mixture of substances intended to control or destroy any vegetation. The technical names for herbicides determined in this report are:

**2,4-D** (2,4-dichlorophenoxy)acetic acid.
**2,4,5-T** (2,4,5-trichlorophenoxy)acetic acid.
**Silvex** 2-(2,4,5-trichlorophenoxy)propionic acid.

**Picocurie** (PC, pCi) is one trillionth ($1 \times 10^{-12}$) of the amount of radioactivity represented by a curie (Ci). A curie is the amount of radioactivity that yields $3.7 \times 10^{10}$ radioactive disintegrations per second. A picocurie yields 2.2 dpm (disintegrations per minute).

**Plankton** is the community of suspended, floating, or weakly swimming organisms that live in the open water of lakes and rivers.

**Phytoplankton** is the plant part of the plankton. They are usually microscopic and their movement is subject to the water currents. Phytoplankton growth is dependent upon solar radiation and nutrient substances. Because they are able to incorporate as well as release materials to the surrounding water, the phytoplankton have a profound effect upon the quality of the water. They are the primary food producers in the aquatic environment, and are commonly known as algae.

**Blue-green algae** are a group of phytoplankton organisms having a blue pigment, in addition to the green pigment called chlorophyll. Blue-green algae often cause nuisance conditions in water.

**Diatoms** are the unicellular or colonial algae having a siliceous shell. Their concentrations are expressed as number of cells/mL of sample.

**Green algae** have chlorophyll pigments similar in color to those of higher green plants. Some forms produce algal mats or floating "moss" in lakes. Their concentrations are expressed as number of cells/mL of sample.

**Zooplankton** is the animal part of the plankton. Zooplankton are capable of extensive movements within the water column, and are often large enough to be seen with the unaided eye. Zooplankton are secondary consumers feeding upon bacteria, phytoplankton, and detritus. Because they are the grazers in the aquatic environment, the zooplankton are a vital part of the aquatic food web. The zooplankton community is dominated by small crustaceans and rotifers.

**Polychlorinated biphenyls** (PCBs) are industrial chemicals that are mixtures of chlorinated biphenyl compounds having various percentages of chlorine. They are similar in structure to organochlorine insecticides.

**Polychlorinated napthalenes** (PCNs) are industrial chemicals that are mixtures of chlorinated napthalene compounds having various percentages of chlorine.

**Runoff in inches** (IN., in.) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

**Sediment** is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material, such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

**Suspended sediment** is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as colloid.

**Suspended-sediment concentration** is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L).

**Suspended-sediment discharge** (tons/day) is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight or volume, that passes a section in a given time. It is computed by multiplying discharge times mean concentration times 0.0027.

**Suspended-sediment load** is the quantity of suspended sediment passing a section in a specified period.

**Total sediment discharge** (tons/day) is the sum of the suspended-sediment discharge and the bed-load discharge. It is the total quantity of sediment, as measured by dry weight or volume, that passes a section during a given time.

**Mean concentration** is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour period.

**Solute** is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

**Specific conductance** is a measure of the ability of a water to conduct an electrical current. It is expressed in microsiemens (formerly micromhos) per centimeter at 25°C (US/CM, µS/cm). Specific conductance is related to the type and concentration of ions in solution and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance in microsiemens (formerly micromhos). This relation is not constant from stream to stream, and it may vary in the same source with changes in the composition of the water.

**Stage-discharge relation** is the relation between gage height (stage) and volume of water per unit of time, flowing in a channel.

**Streamflow** is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff" as streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

**Substrate** is the physical surface upon which an organism lived.

**Natural substrates** refers to any naturally occurring emersed or submersed solid surface, such as a rock or tree, upon which an organism lived.

**Artificial substrate** is a device which is purposely placed in a stream or lake for colonization of organisms. The artificial substrate simplified the community structure by standardizing the substrate from which each sample is taken. Examples of artificial substrates are basket samplers (made of wire cages filled with clean streamside rocks) and multi-plate samplers (made of hardboard) for benthic organism collection, and plexiglass strips for periphyton collection.

**Surface area** of a lake is that area outlined on the latest U.S.G.S. topographic map as the boundary of the lake and measured by a planimeter in acres. In localities not covered by topographic maps, the areas are computed from the best maps available at the time planimetered. All areas shown are those for the stage when the planimetered map was made.

**Surficial bed material** is that part (0.1 to 0.2 ft) of the bed material that is sampled using U.S.G.S. Series Bed-Material Samplers.

**Suspended** (as used in tables of chemical analyses) refers to the amount (concentration) of the total concentration in a water-sediment mixture. The water-sediment mixture is associated with (or sorbed on) that material retained on a 0.45-micrometer membrane filter.

**Suspended, recoverable** is the amount of a given constituent that is in solution after the part of a representative water-suspended sediment sample that is retained on a 0.45-micrometer membrane filter has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment and thus the determination represents something less than the "total" amount (that is, less that 95 percent) of the constituent present in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Determinations of "suspended, recoverable" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) *dissolved* and (2) *total recoverable* concentrations of the constituent.

**Suspended, total** is the total amount of a given constituent in the part of a representative water-suspended sediment sample that is retained on a 0.45-micrometer membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to determine when the results should be reported as "suspended, total."

Determinations of "suspended, total" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) *dissolved* and (2) *total* concentrations of the constituent.

**Taxonomy** is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a hierarchical scheme beginning with Kingdom and ending with Species at the base. The higher the classification level, the fewer features the organisms have in common. For example, the taxonomy of a particular mayfly, *Hexagenia limbata* is the following:

| | |
|---|---|
| Kingdom | Animal |
| Phylum | Arthropoda |
| Class | Insecta |
| Order | Ephemeroptera |
| Family | Ephemeridae |
| *Genus* | *Hexagenia* |
| *Species* | *Hexagenia limbata* |

**Time-weighted average** is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water that would be contained in a vessel or reservoir that had received equal quantities of water from the stream each day for the year.

**Tons per acre-foot** indicates the dry mass of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration in milligrams per liter by 0.00136.

**Tons per day** is the quantity of substance in solution or suspension that passes a stream section during a 24-hour period.

**Total** refers to the total amount of a given constituent in a representative water-suspended sediment sample, regardless of the constituent's physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total." (Note that the word "total" does double duty here, indicating both that the sample consists of a water-suspended sedimemt mixture and that the analytical method determines all of the constituent in the sample.)

**Total load** (tons) is the total quantity of any individual constituent, as measured by dry mass or volume, that is dissolved in a specific amount of water (discharge) during a given time. It is computed by multiplying the total discharge, times the mean concentration of the constituent, times the factor 0.0027, times the number of days.

**Total recoverable** is the amount of a given constituent that is in solution after a representative water-suspended sediment sample has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

**WDR** is used as an abbreviation for "Water-Data Report" in the REVISED RECORDS paragraph to refer to State annual hydrologic-data reports (WRD was used as an abbreviation for "Water-Resources Data" in reports published prior to 1976).

**Weighted average** is used in this report to indicate discharge-weighted average. It is computed by multiplying the discharge for a sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the sum of the discharges. A discharge-weighted average approximates the composition of water that would be found in a reservoir containing all the water passing a given location during the water year after thorough mixing in the reservoir.

**WSP** is used as an abbreviation for "Water-Supply Paper" in references to previously published reports.

## PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

The U.S. Geological Survey publishes a series of manuals describing procedures for planning and conducting specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) pertains to surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises.

The reports listed below are for sale by the U.S. Geological Survey, Books and Open-File Reports Section, Federal Center, Box 25425, Denver, Colorado 80225 (authorized agent of the Superintendent of Documents, Government Printing Office). Prepayment is required. Remittance should be sent by check or money order payable to the U.S. Geological Survey. Prices are not included because they are subject to change. Current prices can be obtained by writing to the above address. When ordering or inquiring about prices for any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations."

1-D1. **Water temperature--influential factors, field measurement, and data presentation**, by H.H. Stevens, Jr., J.F. Ficke, and G.F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.

1-D2. **Guidelines for collection and field analysis of ground-water samples for selected unstable constituents**, by W.W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.

2-D1. **Application of surface geophysics to ground-water investigations**, by A.A.R. Zohdy, G.P. Eaton, and D.R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.

2-E1. **Application of borehole geophysics to water-resources investigations**, by W.S. Keys and L.M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.

3-A1. **General field and office procedures for indirect discharge measurements**, by M.A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.

3-A2. **Measurement of peak discharge by the slope-area method**, by Tate Dalrymple and M.A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.

3-A3. **Measurement of peak discharge at culverts by indirect methods**, by G.L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.

3-A4. **Measurement of peak discharge at width contractions by indirect methods**, by H.F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.

3-A5. **Measurement of peak discharge at dams by indirect methods**, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.

3-A6. **General procedure for gaging streams**, by R.W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.

3-A7. **Stage measurements at gaging stations**, by T.J. Buchanan and W.P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.

3-A8. **Discharge measurements at gaging stations**, by T.J. Buchanan and W.P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.

3-A9. **Measurement of time of travel and dispersion in streams by dye tracing**, by E.F. Hubbard, F.A. Kilpatrick, L.A. Martens, and J.F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1982. 44 pages.

3-A10. **Discharge ratings at gaging stations**, by E.J. Kennedy: USGS--TWRI Book 3, Chapter A10. 1984. 59 pages.

## PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

3-A11. **Measurement of discharge by moving-boat method**, by G.F. Smoot and C.E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.

3-A12. **Flourometric procedures for dye tracing**, by J.F. Wilson, Jr., E.D. Cobb, and F.A. Kilpatrick: USGS--TWRI Book 3, Chapter A12. 1986. 41 pages.

3-A13. **Computation of continuous records of streamflow**, by E.J. Kennedy: USGS--TWRI Book 3, Chapter A13. 1983. 53 pages.

3-A14. **Use of flumes in measuring discharge**, by F.A. Kilpatrick and V.R. Schneider: USGS--TWRI Book 3, Chapter A14. 1983. 46 pages.

3-A15. **Computation of water-surface profiles in open channels**, by Jacob Davidian: USGS--TWRI Book 3, Chapter A15. 1984. 48 pages.

3-A16. **Measurement of discharge using tracers**, by F.A. Kilpatrick and E.D. Cobb: USGS--TWRI Book 3, Chapter A16. 1985. 52 pages.

3-A17. **Acoustic velocity meter systems**, by Antonius Laenen: USGS--TWRI Book 3, Chapter A17. 1985. 38 pages.

3-B1. **Aquifer-test design, observation, and data analysis**, by R.W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.

3-B2. **Introduction to ground-water hydraulics, a programed text for self-instruction**, by G.D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.

3-B3. **Type curves for selected problems of flow to wells in confined aquifers**, by J.E. Reed: USGS--TWRI Book 3, Chapter B3. 1980. 106 pages.

3-B5. **Definition of boundary and initial conditions in the analysis of saturated ground-water flow systems--An introduction**, by O.L. Franke, T.E. Reilly, and G.D. Bennett: USGS--TWRI Book 3, Chapter B5. 1987. 15 pages.

3-B6. **The prinicple of superposition and its application in ground-water hydraulics**, by T.E. Reilly, O.L. Franke, and G.D. Bennett: USGS--TWRI Book 3, Chapter B6. 1987. 28 pages.

3-C1. **Fluvial sediment concepts**, by H.P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.

3-C2. **Field methods for measurement of fluvial sediment**, by H.P. Guy and V.W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.

3-C3. **Computation of fluvial-sediment discharge**, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.

4-A1. **Some statistical tools in hydrology**, by H.C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.

4-A2. **Frequency curves**, by H.C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.

4-B1. **Low-flow investigations**, by H.C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.

4-B2. **Storage analyses for water supply**, by H.C. Riggs and C.H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.

## PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

4-B3. **Regional analyses of streamflow characteristics**, by H.C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.

4-D1. **Computation of rate and volume of stream depletion by wells**, by C.T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.

5-A1. **Methods for determination of inorganic substances in water and fluvial sediments**, by M.W. Skougstad and others, editors: USGS--TWRI Book 5, Chapter A1. 1979. 626 pages.

5-A2. **Determination of minor elements in water by emission spectroscopy**, by P.R. Barnett and E.C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.

5-A3. **Methods for analysis of organic substances in water**, by D.F. Goerlitz and Eugene Brown: USGS--TWRI Book 5, Chapter A3. 1972. 40 pages.

5-A4. **Methods for collection and analysis of aquatic biological and microbiological samples**, edited by P.E. Greeson, T.A. Ehlke, G.A. Irwin, B.W. Lium, and K.V. Slack: USGS--TWRI Book 5, Chapter A4. 1977. 332 pages.

5-A5. **Methods for determination of radioactive substances in water and fluvial sediments**, by L.L. Thatcher, V.J. Janzer, and K.W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.

5-A6. **Quality assurance practices for the chemical and biological analyses of water and fluvial sediments**, by L.C. Friedman and D.E. Erdmann: USGS--TWRI Book 5, Chapter A6. 1982. 181 pages.

5-C1. **Laboratory theory and methods for sediment analysis**, by H.P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.

6-A1. **A modular three-dimensional finite-difference ground-water flow model**, by M.G. McDonald and A.W. Harbaugh: USGS--TWRI Book 6, Chapter A1. 1988. 586 pages.

7-C1. **Finite difference model for aquifer simulation in two dimensions with results of numerical experiments**, by P.C. Trescott, G.F. Pinder, and S.P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.

7-C2. **Computer model of two-dimensional solute transport and dispersion in ground water**, by L.F. Konikow and J.D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.

7-C3. **A model for simulation of flow in singular and interconnected channels**, by R.W. Schaffranek, R.A. Baltzer, and D.E. Goldberg: USGS--TWRI Book 7, Chapter C3. 1981. 110 pages.

8-A1. **Methods of measuring water levels in deep wells**, by M.S. Garber and F.C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.

8-A2. **Installation and service manual for U.S. Geological Survey manometers**, by J.D. Craig: USGS--TWRI Book 8, Chapter A2. 1983. 57 pages.

8-B2. **Calibration and maintenance of vertical-axis type current meters**, by G.F. Smoot and C.E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

## PEARL RIVER BASIN

## 02489500 PEARL RIVER NEAR BOGALUSA, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°47'35", long 89°49'15", on line between secs.17 and 18, T.3 S., R.14 E., Washington Parish, Hydrologic Unit 03180004, near right bank on downstream side of bridge on State Highway 10, 2.0 mi east of Bogalusa, and 2.0 mi upstream from Bogue Lusa Creek.

DRAINAGE AREA.--6,573 mi².

### WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1938 to current year.

REVISED RECORDS.--WDR LA-1981-2: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 55.00 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to July 29, 1954, nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharges. Records good. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--50 years, 9,822 ft³/s, 20.29 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 129,000 ft³/s Apr. 24, 1979, gage height, 23.23 ft; minimum, 1,020 ft³/s Oct. 29 to Nov. 1, 1963; minimum gage height, 4.84 ft Oct. 30, 31, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 11, 1938, reached a stage of 21.0 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 49,000 ft³/s Apr. 3, gage height, 20.11 ft; minimum discharge, 1,800 ft³/s Oct. 22, 23, July 3; minimum gage height, 7.53 ft July 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2160 | 1880 | 2470 | 3560 | 3480 | 6340 | 34100 | 8150 | 2200 | 1940 | 1980 | 2090 |
| 2 | 2200 | 1870 | 2410 | 3410 | 7700 | 5850 | 38800 | 6590 | 2170 | 1880 | 1940 | 2380 |
| 3 | 2140 | 1840 | 2380 | 3440 | 15600 | 6720 | 47200 | 5290 | 2140 | 1840 | 1920 | 2420 |
| 4 | 2050 | 1850 | 2290 | 3320 | 17000 | 9820 | 47500 | 4520 | 2210 | 2000 | 1940 | 3010 |
| 5 | 1990 | 1860 | 2200 | 4300 | 18300 | 9890 | 46900 | 4060 | 2520 | 2320 | 1970 | 7260 |
| 6 | 1970 | 1850 | 2140 | 4670 | 16700 | 11000 | 46500 | 3770 | 2370 | 3310 | 2040 | 9720 |
| 7 | 1960 | 1830 | 2130 | 4470 | 13600 | 11300 | 46200 | 3540 | 2250 | 4200 | 2000 | 8770 |
| 8 | 1940 | 1820 | 2280 | 4970 | 10400 | 10600 | 45400 | 3330 | 2210 | 3350 | 1950 | 6370 |
| 9 | 1920 | 1880 | 2630 | 5310 | 8600 | 10800 | 43800 | 3190 | 2180 | 2680 | 2060 | 4680 |
| 10 | 1900 | 2000 | 2550 | 5100 | 7760 | 11900 | 41500 | 3110 | 2140 | 2360 | 2470 | 3980 |
| 11 | 1900 | 2020 | 2380 | 4900 | 7170 | 13400 | 38800 | 3170 | 2070 | 2240 | 2670 | 3760 |
| 12 | 1900 | 1970 | 2280 | 4380 | 7570 | 14500 | 35800 | 3160 | 2010 | 2190 | 2570 | 5180 |
| 13 | 1890 | 1940 | 2200 | 3880 | 8270 | 13900 | 31400 | 3000 | 1960 | 2090 | 2360 | 5470 |
| 14 | 1870 | 1980 | 2170 | 3720 | 8140 | 11700 | 24400 | 2890 | 1910 | 2010 | 2210 | 3990 |
| 15 | 1860 | 2050 | 2170 | 3600 | 8820 | 10300 | 16500 | 2810 | 1880 | 1970 | 2110 | 3140 |
| 16 | 1860 | 2140 | 2190 | 3390 | 12400 | 9340 | 10900 | 2720 | 1870 | 1940 | 2030 | 3170 |
| 17 | 1860 | 3400 | 2150 | 3390 | 14500 | 8940 | 8500 | 2650 | 1860 | 1950 | 1950 | 4890 |
| 18 | 1860 | 4890 | 2160 | 3470 | 17100 | 8470 | 7690 | 2600 | 1840 | 2200 | 1970 | 5130 |
| 19 | 1870 | 4090 | 2140 | 3720 | 26200 | 7910 | 7780 | 2560 | 1880 | 2420 | 1940 | 4980 |
| 20 | 1850 | 3300 | 2130 | 4870 | 35800 | 7210 | 7720 | 2500 | 2130 | 2580 | 1940 | 4660 |
| 21 | 1820 | 3180 | 2350 | 7110 | 37200 | 7070 | 8140 | 2470 | 2310 | 2670 | 1960 | 4150 |
| 22 | 1810 | 2890 | 3570 | 8400 | 33200 | 6620 | 8420 | 2580 | 2360 | 2410 | 2170 | 3600 |
| 23 | 1810 | 2560 | 5000 | 8520 | 25500 | 5650 | 8080 | 2790 | 2300 | 2720 | 2160 | 3020 |
| 24 | 1810 | 2340 | 5090 | 7550 | 18200 | 5040 | 6920 | 2800 | 2210 | 2990 | 2080 | 2510 |
| 25 | 1820 | 2220 | 4590 | 7250 | 13200 | 5720 | 5820 | 2660 | 2210 | 2530 | 2220 | 2330 |
| 26 | 1840 | 2180 | 3920 | 7150 | 10400 | 25600 | 6690 | 2600 | 2310 | 2270 | 2620 | 2270 |
| 27 | 1900 | 2740 | 3380 | 6140 | 8960 | 39500 | 10300 | 2530 | 2370 | 2170 | 2570 | 2190 |
| 28 | 1950 | 3000 | 3180 | 5250 | 8070 | 26500 | 11600 | 2430 | 2120 | 2110 | 2410 | 2150 |
| 29 | 1940 | 2880 | 3380 | 4740 | 7110 | 22700 | 10900 | 2350 | 1980 | 2260 | 2210 | 2140 |
| 30 | 1910 | 2670 | 3500 | 4140 | --- | 25500 | 9590 | 2270 | 1920 | 2160 | 2090 | 2440 |
| 31 | 1900 | --- | 3590 | 3640 | --- | 31200 | --- | 2220 | --- | 2050 | 2010 | --- |
| TOTAL | 59460 | 73120 | 87000 | 151760 | 426950 | 400990 | 714050 | 101310 | 63890 | 73810 | 66520 | 121850 |
| MEAN | 1918 | 2437 | 2806 | 4895 | 14720 | 12940 | 23800 | 3268 | 2130 | 2381 | 2146 | 4062 |
| MAX | 2200 | 4890 | 5090 | 8520 | 37200 | 39500 | 47500 | 8150 | 2520 | 4200 | 2670 | 9720 |
| MIN | 1810 | 1820 | 2130 | 3320 | 3480 | 5040 | 5820 | 2220 | 1840 | 1840 | 1920 | 2090 |
| CFSM | .29 | .37 | .43 | .74 | 2.24 | 1.97 | 3.62 | .50 | .32 | .36 | .33 | .62 |
| IN. | .34 | .41 | .49 | .86 | 2.42 | 2.27 | 4.04 | .57 | .36 | .42 | .38 | .69 |

| | | | | | | |
|---|---|---|---|---|---|---|
| CAL YR 1987 | TOTAL 4415200 | MEAN 12100 | MAX 70500 | MIN 1810 | CFSM 1.84 | IN. 24.99 |
| WTR YR 1988 | TOTAL 2340710 | MEAN 6395 | MAX 47500 | MIN 1810 | CFSM .97 | IN. 13.25 |

### 02489500 PEARL RIVER NEAR BOGALUSA, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.09 | 7.70 | 8.50 | 9.85 | 9.78 | 12.27 | 19.14 | 13.58 | 8.14 | 7.73 | 7.69 | 7.75 |
| 2 | 8.15 | 7.68 | 8.43 | 9.71 | 12.94 | 11.90 | 19.47 | 12.46 | 8.10 | 7.64 | 7.62 | 8.17 |
| 3 | 8.07 | 7.64 | 8.39 | 9.74 | 16.67 | 12.55 | 20.00 | 11.45 | 8.06 | 7.59 | 7.59 | 8.23 |
| 4 | 7.93 | 7.65 | 8.27 | 9.60 | 17.01 | 14.56 | 20.03 | 10.72 | 8.15 | 7.80 | 7.63 | 8.97 |
| 5 | 7.85 | 7.66 | 8.14 | 10.53 | 17.26 | 14.62 | 19.99 | 10.30 | 8.58 | 8.26 | 7.66 | 12.88 |
| 6 | 7.82 | 7.65 | 8.06 | 10.87 | 16.94 | 15.11 | 19.97 | 10.05 | 8.38 | 9.51 | 7.76 | 14.53 |
| 7 | 7.80 | 7.63 | 8.06 | 10.68 | 16.06 | 15.27 | 19.95 | 9.83 | 8.23 | 10.40 | 7.70 | 13.98 |
| 8 | 7.78 | 7.61 | 8.26 | 11.16 | 14.82 | 14.93 | 19.90 | 9.61 | 8.17 | 9.57 | 7.62 | 12.29 |
| 9 | 7.74 | 7.70 | 8.73 | 11.48 | 13.88 | 15.02 | 19.80 | 9.43 | 8.11 | 8.73 | 7.78 | 10.80 |
| 10 | 7.72 | 7.86 | 8.62 | 11.28 | 13.32 | 15.50 | 19.66 | 9.33 | 8.06 | 8.30 | 8.36 | 10.11 |
| 11 | 7.72 | 7.89 | 8.39 | 11.08 | 12.90 | 16.03 | 19.48 | 9.41 | 7.97 | 8.13 | 8.64 | 9.90 |
| 12 | 7.71 | 7.81 | 8.26 | 10.59 | 13.19 | 16.37 | 19.26 | 9.40 | 7.88 | 8.06 | 8.50 | 11.28 |
| 13 | 7.70 | 7.78 | 8.16 | 10.14 | 13.66 | 16.17 | 18.93 | 9.19 | 7.80 | 7.91 | 8.20 | 11.57 |
| 14 | 7.69 | 7.83 | 8.11 | 10.00 | 13.58 | 15.41 | 18.24 | 9.05 | 7.74 | 7.78 | 7.99 | 10.11 |
| 15 | 7.67 | 7.94 | 8.11 | 9.89 | 13.98 | 14.82 | 16.83 | 8.95 | 7.70 | 7.72 | 7.84 | 9.17 |
| 16 | 7.67 | 8.05 | 8.13 | 9.68 | 15.67 | 14.34 | 15.07 | 8.84 | 7.68 | 7.68 | 7.71 | 9.19 |
| 17 | 7.66 | 9.62 | 8.08 | 9.68 | 16.37 | 14.09 | 13.81 | 8.75 | 7.66 | 7.69 | 7.58 | 11.01 |
| 18 | 7.67 | 11.08 | 8.08 | 9.77 | 17.03 | 13.79 | 13.41 | 8.68 | 7.63 | 8.05 | 7.61 | 11.25 |
| 19 | 7.67 | 10.34 | 8.06 | 10.00 | 18.39 | 13.42 | 13.34 | 8.63 | 7.68 | 8.36 | 7.57 | 11.10 |
| 20 | 7.66 | 9.58 | 8.05 | 11.04 | 19.27 | 12.93 | 13.29 | 8.55 | 8.04 | 8.57 | 7.56 | 10.77 |
| 21 | 7.62 | 9.42 | 8.35 | 12.86 | 19.36 | 12.83 | 13.58 | 8.51 | 8.28 | 8.68 | 7.59 | 10.25 |
| 22 | 7.59 | 9.06 | 9.78 | 13.75 | 19.07 | 12.49 | 13.76 | 8.65 | 8.35 | 8.34 | 7.89 | 9.71 |
| 23 | 7.60 | 8.62 | 11.18 | 13.82 | 18.37 | 11.75 | 13.53 | 8.93 | 8.27 | 8.74 | 7.89 | 8.99 |
| 24 | 7.60 | 8.34 | 11.27 | 13.17 | 17.24 | 11.22 | 12.71 | 8.94 | 8.14 | 9.10 | 7.75 | 8.28 |
| 25 | 7.62 | 8.17 | 10.80 | 12.96 | 15.95 | 11.74 | 11.88 | 8.76 | 8.14 | 8.48 | 7.96 | 8.03 |
| 26 | 7.65 | 8.13 | 10.18 | 12.88 | 14.84 | 17.91 | 12.52 | 8.68 | 8.27 | 8.13 | 8.52 | 7.94 |
| 27 | 7.72 | 8.86 | 9.66 | 12.12 | 14.10 | 19.52 | 14.79 | 8.58 | 8.34 | 7.99 | 8.45 | 7.81 |
| 28 | 7.78 | 9.19 | 9.42 | 11.42 | 13.53 | 18.46 | 15.37 | 8.46 | 7.99 | 7.90 | 8.23 | 7.75 |
| 29 | 7.78 | 9.04 | 9.67 | 10.93 | 12.86 | 18.05 | 15.09 | 8.35 | 7.79 | 8.11 | 7.94 | 7.72 |
| 30 | 7.74 | 8.78 | 9.80 | 10.38 | --- | 18.39 | 14.46 | 8.25 | 7.70 | 7.96 | 7.76 | 8.15 |
| 31 | 7.71 | --- | 9.88 | 9.93 | --- | 18.91 | --- | 8.18 | --- | 7.80 | 7.64 | --- |
| MAX | 8.15 | 11.08 | 11.27 | 13.82 | 19.36 | 19.52 | 20.03 | 13.58 | 8.58 | 10.40 | 8.64 | 14.53 |
| MIN | 7.59 | 7.61 | 8.05 | 9.60 | 9.78 | 11.22 | 11.88 | 8.18 | 7.63 | 7.59 | 7.56 | 7.72 |

## 02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

### WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944, 1952-53, 1963 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: November 1962 to September 1970, June 1975 to October 1980, April 1981 to September 1981.
pH: June 1975 to October 1980.
WATER TEMPERATURES: November 1962 to September 1970, June 1975 to October 1980, April 1981 to September 1981.
DISSOLVED OXYGEN: June 1975 to October 1980.
SUSPENDED-SEDIMENT CONCENTRATIONS: April 1967 to current year.
SUSPENDED-SEDIMENT DISCHARGE: April 1967 to current year.

INSTRUMENTATION.--Water-quality monitor June 1975 to October 1980.

REMARKS.--Suspended-sediment data, sieve diameter, percent finer than 0.062 MM are instantaneous values.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 180 micromhos Sept. 10, 1965; minimum, 17 micromhos Apr. 26, 1979.
pH: Maximum, 8.4 units Oct. 19, 21, 1976; minimum, 5.4 units Jan. 23, 24, 1977, Jan. 18-20, 1980.
WATER TEMPERATURES: Maximum daily, 35.0°C July 23, 1981; minimum daily, 1.5°C Dec. 21, 1963.
DISSOLVED OXYGEN: Maximum, 12.9 mg/L Oct. 22, Dec. 1, 1976; minimum, 2.9 mg/L May 25, 1977.
SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum daily mean, 576 mg/L Oct. 24, 1984; minimum daily mean, 2 mg/L Nov. 11-13, 1969, Oct. 15, 17, Nov. 14, 1971, Oct. 15-21, Nov. 3-5, 1972.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 80,600 tons Apr. 8, 1983; minimum daily, 7 tons Nov. 11-13, 1969.

EXTREMES FOR CURRENT YEAR.--
SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum daily mean, 433 mg/L Mar. 26; minimum daily mean, 20 mg/L Jan. 16.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 49,400 tons Apr. 3; minimum daily, 112 tons June 15.

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | DIS-CHARGE, IN CUBIC FEET PER SECOND | SPE-CIFIC CON-DUCT-ANCE (US/CM) | PH (STAND-ARD UNITS) | TEMPER-ATURE WATER (DEG C) | COLOR (PLAT-INUM-COBALT UNITS) | TUR-BID-ITY (NTU) | OXYGEN, DIS-SOLVED (MG/L) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) | STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987<br>09... | 1000 | 1920 | 87 | 7.20 | 19.0 | 15 | 2.3 | 9.4 | 1.8 | 80 | 42 |
| JAN 1988<br>27... | 1100 | 6140 | 75 | 7.30 | 9.0 | 60 | 36 | 10.0 | -- | 200 | 96 |
| APR<br>15... | 1000 | 16500 | 62 | 6.56 | 19.0 | 20 | 27 | 7.6 | 1.6 | 48 | 65 |
| JUL<br>13... | 0910 | 2090 | 60 | 6.96 | 29.5 | 30 | 25 | 7.7 | 2.0 | K30 | K30 |

| DATE | HARD-NESS TOTAL (MG/L AS CACO3) | CALCIUM DIS-SOLVED (MG/L AS CA) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) | SODIUM, DIS-SOLVED (MG/L AS NA) | POTAS-SIUM, DIS-SOLVED (MG/L AS K) | ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DIS-SOLVED (MG/L AS SO4) | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) | FLUO-RIDE, DIS-SOLVED (MG/L AS F) | SILICA, DIS-SOLVED (MG/L AS SIO2) | SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987<br>09... | 15 | 4.0 | 1.1 | 11 | 2.0 | 19 | 10 | 7.1 | 0.2 | 10 | 60 |
| JAN 1988<br>27... | 15 | 3.8 | 1.3 | 7.4 | 2.5 | 16 | 13 | 8.2 | 0.1 | 9.1 | 63 |
| APR<br>15... | 15 | 4.0 | 1.3 | 5.0 | 1.9 | 12 | 15 | 4.8 | 0.1 | 6.5 | 51 |
| JUL<br>13... | 12 | 3.2 | 1.0 | 5.9 | 1.7 | 13 | 6.8 | 6.3 | 0.2 | 9.2 | 45 |

K Results based on colony count outside the acceptable range (non-ideal colony count).

## 02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) | NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) | NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) | NITRO-GEN, AMMONIA TOTAL (MG/L AS N) | NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) | NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) | PHOS-PHOROUS TOTAL (MG/L AS P) | PHOS-PHOROUS DIS-SOLVED (MG/L AS P) | PHOS-PHOROUS ORTHO, DIS-SOLVED (MG/L AS P) | ALUM-INUM, DIS-SOLVED (UG/L AS AL) | ARSENIC DIS-SOLVED (UG/L AS AS) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 09... | 56 | <0.01 | <0.10 | 0.01 | 0.01 | 0.9 | 0.05 | 0.01 | <0.01 | 30 | <1 |
| JAN 1988 | | | | | | | | | | | |
| 27... | 55 | 0.02 | 0.26 | 0.11 | 0.11 | 0.8 | 0.14 | 0.05 | 0.03 | 300 | <1 |
| APR | | | | | | | | | | | |
| 15... | 47 | 0.01 | 0.15 | 0.06 | 0.07 | 0.8 | 0.10 | 0.03 | 0.02 | 100 | 1 |
| JUL | | | | | | | | | | | |
| 13... | 42 | 0.01 | 0.30 | 0.02 | 0.03 | 0.5 | 0.05 | <0.01 | <0.01 | 60 | 1 |

| DATE | BARIUM, DIS-SOLVED (UG/L AS BA) | BERYL-LIUM, DIS-SOLVED (UG/L AS BE) | CADMIUM DIS-SOLVED (UG/L AS CD) | CHRO-MIUM, DIS-SOLVED (UG/L AS CR) | COBALT, DIS-SOLVED (UG/L AS CO) | COPPER, DIS-SOLVED (UG/L AS CU) | IRON, DIS-SOLVED (UG/L AS FE) | LEAD, DIS-SOLVED (UG/L AS PB) | LITHIUM DIS-SOLVED (UG/L AS LI) | MANGA-NESE, DIS-SOLVED (UG/L AS MN) | MERCURY DIS-SOLVED (UG/L AS HG) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 09... | 27 | <0.5 | <1 | <1 | <3 | 2 | 150 | <5 | 10 | 73 | <0.1 |
| JAN 1988 | | | | | | | | | | | |
| 27... | 27 | <0.5 | <1 | <1 | <3 | 3 | 240 | <5 | <4 | 18 | <0.1 |
| APR | | | | | | | | | | | |
| 15... | 32 | <0.5 | <1 | <1 | <3 | 1 | 320 | <5 | <4 | 33 | <0.1 |
| JUL | | | | | | | | | | | |
| 13... | 26 | <0.5 | <1 | <1 | <3 | 3 | 150 | <5 | <4 | 10 | <0.1 |

| DATE | MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) | NICKEL, DIS-SOLVED (UG/L AS NI) | SELE-NIUM, DIS-SOLVED (UG/L AS SE) | SILVER, DIS-SOLVED (UG/L AS AG) | STRON-TIUM, DIS-SOLVED (UG/L AS SR) | VANA-DIUM, DIS-SOLVED (UG/L AS V) | ZINC, DIS-SOLVED (UG/L AS ZN) | SEDI-MENT, SUS-PENDED (MG/L) | SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 09... | <10 | <1 | <1 | <1 | 36 | <6 | <3 | 26 | 135 | 99 |
| JAN 1988 | | | | | | | | | | |
| 27... | <10 | <1 | <1 | <1 | 29 | <6 | 11 | 79 | 1310 | 93 |
| APR | | | | | | | | | | |
| 15... | <10 | <1 | <1 | <1 | 34 | <6 | <3 | 137 | 6100 | 88 |
| JUL | | | | | | | | | | |
| 13... | <10 | <1 | <1 | <1 | 31 | <6 | 14 | 36 | 203 | 100 |

< Actual value is known to be less than the value shown.

## 02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

### SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DAY | MEAN CONCEN-TRATION (MG/L) | LOADS (T/DAY) | MEAN CONCEN-TRATION (MG/L) | LOADS (T/DAY) | MEAN CONCEN-TRATION (MG/L) | LOADS (T/DAY) | MEAN CONCEN-TRATION (MG/L) | LOADS (T/DAY) | MEAN CONCEN-TRATION (MG/L) | LOADS (T/DAY) | MEAN CONCEN-TRATION (MG/L) | LOADS (T/DAY) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | OCTOBER | | NOVEMBER | | DECEMBER | | JANUARY | | FEBRUARY | | MARCH | |
| 1 | 32 | 187 | 30 | 152 | 32 | 213 | 36 | 346 | 35 | 329 | 51 | 873 |
| 2 | 35 | 208 | 31 | 157 | 30 | 195 | 33 | 304 | 141 | 3620 | 46 | 727 |
| 3 | 38 | 220 | 30 | 149 | 28 | 180 | 30 | 279 | 231 | 9730 | 74 | 1340 |
| 4 | 37 | 205 | 32 | 160 | 27 | 167 | 25 | 224 | 145 | 6660 | 98 | 2600 |
| 5 | 35 | 188 | 31 | 156 | 27 | 160 | 48 | 557 | 184 | 9090 | 66 | 1760 |
| 6 | 31 | 165 | 32 | 160 | 27 | 156 | 51 | 643 | 154 | 6940 | 105 | 3120 |
| 7 | 32 | 169 | 32 | 158 | 27 | 155 | 36 | 434 | 91 | 3340 | 123 | 3750 |
| 8 | 25 | 131 | 30 | 147 | 30 | 185 | 44 | 590 | 69 | 1940 | 110 | 3150 |
| 9 | 23 | 119 | 30 | 152 | 33 | 234 | 43 | 616 | 68 | 1580 | 90 | 2620 |
| 10 | 23 | 118 | 31 | 167 | 31 | 213 | 37 | 509 | 54 | 1130 | 97 | 3120 |
| 11 | 24 | 123 | 30 | 164 | 32 | 206 | 35 | 463 | 45 | 871 | 107 | 3870 |
| 12 | 30 | 154 | 29 | 154 | 33 | 203 | 35 | 414 | 48 | 981 | 131 | 5130 |
| 13 | 33 | 168 | 27 | 141 | 33 | 196 | 29 | 304 | 51 | 1140 | 121 | 4540 |
| 14 | 31 | 157 | 28 | 150 | 33 | 193 | 26 | 261 | 48 | 1050 | 107 | 3380 |
| 15 | 33 | 166 | 30 | 166 | 34 | 199 | 24 | 233 | 85 | 2020 | 84 | 2340 |
| 16 | 31 | 156 | 32 | 185 | 33 | 195 | 20 | 183 | 158 | 5290 | 69 | 1740 |
| 17 | 32 | 161 | 64 | 588 | 31 | 180 | 22 | 201 | 150 | 5870 | 70 | 1690 |
| 18 | 37 | 186 | 90 | 1190 | 26 | 152 | 27 | 253 | 210 | 9700 | 58 | 1330 |
| 19 | 40 | 202 | 60 | 663 | 24 | 139 | 25 | 251 | 362 | 25600 | 52 | 1110 |
| 20 | 37 | 185 | 43 | 383 | 24 | 138 | 56 | 736 | 400 | 38700 | 45 | 876 |
| 21 | 39 | 192 | 41 | 352 | 26 | 165 | 118 | 2270 | 354 | 35600 | 44 | 840 |
| 22 | 37 | 181 | 33 | 257 | 54 | 521 | 147 | 3330 | 304 | 27300 | 43 | 769 |
| 23 | 34 | 166 | 31 | 214 | 78 | 1050 | 136 | 3130 | 191 | 13200 | 42 | 641 |
| 24 | 34 | 166 | 30 | 190 | 62 | 852 | 140 | 2850 | 135 | 6630 | 40 | 544 |
| 25 | 34 | 167 | 32 | 192 | 51 | 632 | 102 | 2000 | 113 | 4030 | 66 | 1140 |
| 26 | 34 | 169 | 31 | 182 | 36 | 381 | 78 | 1510 | 107 | 3000 | 433 | 32000 |
| 27 | 31 | 159 | 43 | 318 | 35 | 319 | 69 | 1140 | 74 | 1790 | 231 | 24600 |
| 28 | 33 | 174 | 48 | 389 | 32 | 275 | 49 | 695 | 63 | 1370 | 130 | 9300 |
| 29 | 34 | 178 | 39 | 303 | 36 | 329 | 41 | 525 | 57 | 1090 | 223 | 13700 |
| 30 | 30 | 155 | 34 | 245 | 35 | 331 | 41 | 458 | --- | --- | 214 | 14700 |
| 31 | 30 | 154 | --- | --- | 35 | 339 | 38 | 373 | --- | --- | 208 | 17500 |
| TOTAL | --- | 5229 | --- | 7984 | --- | 8853 | --- | 26082 | --- | 229591 | --- | 164800 |
| | APRIL | | MAY | | JUNE | | JULY | | AUGUST | | SEPTEMBER | |
| 1 | 190 | 17500 | 76 | 1670 | 36 | 214 | 29 | 152 | 36 | 192 | 47 | 265 |
| 2 | 270 | 28300 | 110 | 1960 | 36 | 211 | 28 | 142 | 37 | 194 | 49 | 315 |
| 3 | 388 | 49400 | 97 | 1390 | 34 | 196 | 29 | 144 | 40 | 207 | 41 | 268 |
| 4 | 350 | 44900 | 42 | 513 | 41 | 245 | 34 | 184 | 40 | 210 | 100 | 920 |
| 5 | 350 | 44300 | 45 | 493 | 39 | 265 | 46 | 288 | 41 | 218 | 218 | 4270 |
| 6 | 309 | 38800 | 48 | 489 | 35 | 224 | 73 | 652 | 42 | 231 | 166 | 4360 |
| 7 | 320 | 39900 | 57 | 545 | 31 | 188 | 77 | 873 | 40 | 216 | 128 | 3030 |
| 8 | 309 | 37900 | 38 | 342 | 30 | 179 | 64 | 579 | 39 | 205 | 97 | 1670 |
| 9 | 235 | 27800 | 36 | 310 | 30 | 177 | 44 | 318 | 48 | 267 | 60 | 758 |
| 10 | 263 | 29500 | 36 | 302 | 27 | 156 | 43 | 274 | 56 | 373 | 57 | 613 |
| 11 | 249 | 26100 | 36 | 308 | 28 | 156 | 36 | 218 | 60 | 433 | 46 | 467 |
| 12 | 238 | 23000 | 33 | 282 | 28 | 152 | 36 | 213 | 54 | 375 | 60 | 839 |
| 13 | 222 | 18800 | 35 | 283 | 24 | 127 | 39 | 220 | 46 | 293 | 67 | 990 |
| 14 | 189 | 12500 | 31 | 242 | 24 | 124 | 37 | 201 | 44 | 263 | 65 | 700 |
| 15 | 178 | 7930 | 30 | 228 | 22 | 112 | 37 | 197 | 42 | 239 | 38 | 322 |
| 16 | 140 | 4120 | 30 | 220 | 25 | 126 | 35 | 183 | 38 | 208 | 36 | 308 |
| 17 | 104 | 2390 | 28 | 200 | 24 | 121 | 39 | 205 | 36 | 190 | 60 | 792 |
| 18 | 78 | 1660 | 31 | 218 | 24 | 119 | 41 | 244 | 38 | 202 | 49 | 679 |
| 19 | 62 | 1300 | 33 | 228 | 27 | 137 | 45 | 294 | 43 | 225 | 40 | 538 |
| 20 | 56 | 1170 | 31 | 209 | 33 | 190 | 51 | 355 | 44 | 230 | 35 | 440 |
| 21 | 58 | 1270 | 32 | 213 | 38 | 237 | 48 | 346 | 52 | 275 | 38 | 426 |
| 22 | 69 | 1570 | 34 | 237 | 34 | 217 | 41 | 267 | 55 | 322 | 39 | 379 |
| 23 | 59 | 1290 | 37 | 279 | 29 | 180 | 44 | 323 | 46 | 268 | 34 | 277 |
| 24 | 56 | 1050 | 32 | 242 | 34 | 203 | 53 | 428 | 44 | 247 | 39 | 264 |
| 25 | 46 | 723 | 31 | 223 | 36 | 215 | 43 | 294 | 44 | 264 | 39 | 245 |
| 26 | 110 | 1990 | 32 | 225 | 45 | 281 | 41 | 251 | 58 | 410 | 40 | 245 |
| 27 | 88 | 2450 | 35 | 239 | 43 | 275 | 42 | 246 | 58 | 402 | 37 | 219 |
| 28 | 187 | 5860 | 34 | 223 | 33 | 189 | 38 | 216 | 60 | 390 | 44 | 255 |
| 29 | 130 | 3830 | 38 | 241 | 33 | 176 | 43 | 262 | 62 | 370 | 37 | 214 |
| 30 | 120 | 3110 | 37 | 227 | 33 | 171 | 41 | 239 | 56 | 316 | 43 | 283 |
| 31 | --- | --- | 35 | 210 | --- | --- | 37 | 205 | 43 | 233 | --- | --- |
| TOTAL | --- | 480413 | --- | 12991 | --- | 5563 | --- | 9013 | --- | 8468 | --- | 25351 |

## 02491500 BOGUE CHITTO AT FRANKLINTON, LA

LOCATION.--Lat 30°50'34", long 90°09'43", in SE 1/4 SE 1/4 sec.26, T.2 S., R.10 E., Washington Parish, Hydrologic Unit 03180005, at bridge on State Highway 10, 0.8 mi west of Franklinton, and 3.5 mi upstream from Lawrence Creek.

DRAINAGE AREA.--990 mi².

PERIOD OF RECORD.--August 1928 to September 1931, October 1938 to September 1957, February to September 1975, July 1976 to current year (gage heights and discharge measurements). Gage-height records collected in this vicinity since 1922 are contained in reports of the National Weather Service.

REVISED RECORDS.--WDR LA-1981-2: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 123.81 ft above National Geodetic Vertical Datum of 1929. August 1928 to September 1931, nonrecording gage at site about 0.2 mi downstream. October 1938 to September 1957, non-recording gage; February to September 1975 and since July 1976 water-stage recorder at present site. Prior to September 1931 at datum 2.00 ft higher; October 1938 to September 1957 and February to September 1975 at datum 1.00 ft higher.

AVERAGE DISCHARGE.--22 years (water years 1929-31, 1939-57), 1,596 ft³/s, 22.00 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 125,000 ft³/s Apr. 7, 1983, gage height, 24.69 ft; minimum discharge, 350 ft³/s Nov. 6-8, 1938; minimum gage height, not determined.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1900 reached a stage of 28.6 ft, at former site and present datum, from floodmark.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 21,300 ft³/s Mar. 26, gage height, 15.04 ft; minimum gage height, 1.22 ft Nov. 7.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.46 | 1.27 | 1.43 | 1.59 | 3.30 | 2.18 | 8.40 | 1.83 | 1.50 | 1.40 | 1.42 | 1.59 |
| 2 | 1.53 | 1.26 | 1.39 | 1.67 | 11.07 | 2.10 | 11.97 | 1.81 | 1.49 | 1.38 | 1.41 | 1.53 |
| 3 | 1.40 | 1.26 | 1.36 | 1.66 | 7.32 | 3.31 | 13.89 | 1.78 | 1.48 | 1.37 | 1.36 | 1.45 |
| 4 | 1.35 | 1.26 | 1.36 | 1.62 | 7.11 | 4.58 | 11.17 | 1.77 | 1.51 | 1.36 | 1.33 | 2.98 |
| 5 | 1.34 | 1.26 | 1.35 | 1.57 | 6.27 | 4.89 | 8.56 | 1.75 | 1.60 | 1.54 | 1.34 | 4.46 |
| 6 | 1.33 | 1.24 | 1.34 | 1.52 | 6.06 | 3.99 | 5.80 | 1.73 | 1.58 | 1.80 | 1.34 | 3.30 |
| 7 | 1.32 | 1.23 | 1.35 | 1.73 | 4.80 | 3.05 | 4.23 | 1.71 | 1.57 | 1.64 | 1.36 | 2.65 |
| 8 | 1.31 | 1.24 | 1.35 | 2.06 | 3.90 | 2.60 | 3.61 | 1.70 | 1.54 | 1.53 | 1.35 | 1.91 |
| 9 | 1.30 | 1.28 | 1.36 | 1.97 | 3.18 | 2.89 | 3.17 | 1.69 | 1.50 | 1.46 | 1.52 | 1.63 |
| 10 | 1.30 | 1.32 | 1.35 | 1.98 | 2.73 | 4.56 | 2.87 | 1.68 | 1.53 | 1.47 | 1.99 | 1.62 |
| 11 | 1.30 | 1.29 | 1.35 | 1.77 | 2.55 | 4.49 | 2.67 | 1.69 | 1.48 | 1.67 | 1.62 | 1.73 |
| 12 | 1.29 | 1.27 | 1.35 | 1.65 | 2.93 | 3.80 | 2.53 | 1.67 | 1.45 | 1.56 | 1.51 | 1.89 |
| 13 | 1.28 | 1.30 | 1.34 | 1.68 | 2.82 | 2.93 | 2.42 | 1.66 | 1.45 | 1.47 | 1.64 | 1.65 |
| 14 | 1.28 | 1.28 | 1.36 | 1.69 | 2.63 | 2.52 | 2.34 | 1.64 | 1.44 | 1.42 | 1.45 | 1.54 |
| 15 | 1.28 | 1.29 | 1.39 | 1.63 | 5.64 | 2.27 | 2.27 | 1.63 | 1.43 | 1.39 | 1.40 | 1.60 |
| 16 | 1.27 | 1.36 | 1.37 | 1.63 | 6.51 | 2.11 | 2.21 | 1.62 | 1.42 | 1.37 | 1.39 | 1.81 |
| 17 | 1.28 | 2.26 | 1.38 | 1.63 | 5.29 | 2.01 | 2.16 | 1.61 | 1.42 | 1.69 | 1.45 | 1.73 |
| 18 | 1.28 | 2.16 | 1.39 | 1.67 | 5.89 | 2.39 | 2.20 | 1.60 | 1.42 | 1.58 | 1.50 | 1.57 |
| 19 | 1.27 | 1.93 | 1.37 | 1.80 | 12.08 | 2.54 | 2.37 | 1.58 | 1.56 | 1.82 | 1.45 | 1.49 |
| 20 | 1.27 | 1.64 | 1.45 | 3.42 | 10.63 | 2.35 | 2.43 | 1.57 | 1.55 | 1.77 | 1.43 | 1.45 |
| 21 | 1.25 | 1.48 | 1.81 | 2.96 | 7.24 | 2.19 | 2.42 | 1.59 | 1.61 | 1.63 | 1.41 | 1.41 |
| 22 | 1.24 | 1.41 | 2.44 | 2.75 | 5.65 | 2.04 | 2.23 | 1.68 | 1.79 | 1.77 | 1.47 | 1.38 |
| 23 | 1.25 | 1.38 | 2.28 | 2.22 | 4.01 | 1.95 | 2.13 | 1.78 | 1.71 | 1.96 | 1.41 | 1.37 |
| 24 | 1.25 | 1.37 | 2.03 | 1.97 | 3.38 | 1.90 | 2.08 | 1.62 | 1.58 | 1.63 | 1.39 | 1.35 |
| 25 | 1.26 | 1.36 | 1.80 | 2.03 | 2.98 | 4.52 | 2.02 | 1.73 | 1.59 | 1.49 | 1.56 | 1.34 |
| 26 | 1.29 | 1.39 | 1.68 | 1.90 | 2.70 | 13.84 | 1.98 | 1.61 | 1.58 | 1.44 | 1.40 | 1.33 |
| 27 | 1.36 | 1.40 | 1.64 | 1.79 | 2.50 | 12.04 | 1.93 | 1.56 | 1.52 | 1.41 | 1.35 | 1.31 |
| 28 | 1.32 | 1.46 | 1.72 | 1.73 | 2.37 | 6.34 | 1.89 | 1.55 | 1.49 | 1.40 | 1.33 | 1.30 |
| 29 | 1.29 | 1.47 | 1.83 | 1.67 | 2.27 | 4.45 | 1.86 | 1.53 | 1.46 | 1.39 | 1.32 | 1.30 |
| 30 | 1.28 | 1.44 | 1.69 | 1.64 | --- | 4.84 | 1.84 | 1.52 | 1.42 | 1.39 | 1.37 | 1.35 |
| 31 | 1.27 | --- | 1.60 | 1.62 | --- | 6.67 | --- | 1.51 | --- | 1.36 | 1.39 | --- |
| MAX | 1.53 | 2.26 | 2.44 | 3.42 | 12.08 | 13.84 | 13.89 | 1.83 | 1.79 | 1.96 | 1.99 | 4.46 |
| MIN | 1.24 | 1.23 | 1.34 | 1.52 | 2.27 | 1.90 | 1.84 | 1.51 | 1.42 | 1.36 | 1.32 | 1.30 |

## 02492000 BOGUE CHITTO NEAR BUSH, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°37'45", long 89°53'50", in SE 1/4 NE 1/4 lot 42, T.5 S., R.13 E., St. Tammany Parish, Hydrologic Unit 03180005, near center of span on downstream side of bridge on State Highway 21, 0.2 mi downstream from Illinois Central Gulf Railroad bridge, and 1.4 mi north of Bush.

DRAINAGE AREA.--1,213 $mi^2$.

### WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1937 to current year.

REVISED RECORDS.--WDR LA-1981-2: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 44.25 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to July 22, 1954, nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharges. Records good. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--51 years, 1,919 $ft^3/s$, 21.48 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 131,700 $ft^3/s$ Apr. 8, 1983, gage height, 21.22 ft; minimum, 366 $ft^3/s$ Oct. 22, 23, 26, 29, 1968; minimum gage height, 0.7 ft Oct. 1, 1937, Oct. 29-31, 1940, Oct. 22-27, 1941.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 11,000 $ft^3/s$ and maximum (*):

| Date | Time | Discharge ($ft^3/s$) | Gage height (ft) | Date | Time | Discharge ($ft^3/s$) | Gage height (ft) |
|---|---|---|---|---|---|---|---|
| Feb. 3 | 1900 | 18,500 | 12.33 | Mar. 28 | 0400 | 24,000 | 13.13 |
| Feb. 20 | 2230 | 19,000 | 12.41 | Apr. 4 | 0200 | *27,100 | *13.57 |

Minimum discharge, 615 $ft^3/s$ Aug. 5, 6; minimum gage height, 3.41 ft Oct. 22, 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 806 | 737 | 930 | 1000 | 1160 | 1710 | 8900 | 1000 | 731 | 681 | 646 | 880 |
| 2 | 844 | 734 | 895 | 1070 | 3600 | 1630 | 13900 | 989 | 721 | 664 | 676 | 907 |
| 3 | 860 | 732 | 858 | 1140 | 13700 | 2300 | 21700 | 967 | 712 | 650 | 663 | 930 |
| 4 | 802 | 757 | 840 | 1080 | 14500 | 4770 | 24200 | 946 | 710 | 668 | 636 | 1510 |
| 5 | 781 | 760 | 831 | 1020 | 10400 | 5810 | 17300 | 927 | 798 | 688 | 617 | 3770 |
| 6 | 776 | 739 | 823 | 975 | 8700 | 5150 | 12300 | 907 | 840 | 859 | 629 | 4880 |
| 7 | 774 | 726 | 822 | 970 | 7350 | 3920 | 8110 | 891 | 818 | 1060 | 647 | 3180 |
| 8 | 767 | 724 | 821 | 1220 | 5630 | 2720 | 4990 | 880 | 805 | 952 | 648 | 1940 |
| 9 | 759 | 755 | 822 | 1340 | 3920 | 2310 | 3390 | 869 | 766 | 830 | 690 | 1320 |
| 10 | 756 | 809 | 822 | 1280 | 2760 | 2890 | 2600 | 868 | 737 | 773 | 970 | 1270 |
| 11 | 752 | 798 | 814 | 1210 | 2230 | 3980 | 2230 | 870 | 739 | 792 | 1280 | 1380 |
| 12 | 747 | 773 | 814 | 1090 | 2090 | 4050 | 2010 | 876 | 706 | 878 | 1050 | 1590 |
| 13 | 739 | 766 | 812 | 1050 | 2220 | 3300 | 1850 | 857 | 689 | 806 | 1030 | 1700 |
| 14 | 734 | 772 | 813 | 1080 | 2120 | 2430 | 1720 | 844 | 682 | 735 | 916 | 1320 |
| 15 | 733 | 762 | 827 | 1070 | 2700 | 2000 | 1600 | 829 | 672 | 708 | 774 | 1070 |
| 16 | 732 | 796 | 836 | 1030 | 4930 | 1770 | 1490 | 816 | 660 | 689 | 722 | 1340 |
| 17 | 732 | 1210 | 827 | 1030 | 7160 | 1630 | 1410 | 805 | 655 | 689 | 753 | 2070 |
| 18 | 732 | 1610 | 829 | 1050 | 6550 | 1710 | 1370 | 796 | 651 | 673 | 805 | 1790 |
| 19 | 730 | 1400 | 827 | 1110 | 7970 | 2100 | 1480 | 785 | 666 | 863 | 874 | 1290 |
| 20 | 728 | 1180 | 821 | 1560 | 16000 | 2060 | 1610 | 772 | 797 | 1020 | 857 | 1050 |
| 21 | 722 | 1000 | 934 | 2410 | 17100 | 1830 | 1600 | 784 | 781 | 950 | 844 | 938 |
| 22 | 714 | 906 | 1370 | 2110 | 10900 | 1670 | 1530 | 856 | 871 | 875 | 1150 | 868 |
| 23 | 711 | 861 | 1660 | 1800 | 6860 | 1540 | 1370 | 932 | 985 | 1100 | 969 | 825 |
| 24 | 716 | 838 | 1480 | 1450 | 4270 | 1460 | 1290 | 941 | 930 | 1140 | 813 | 795 |
| 25 | 722 | 825 | 1280 | 1340 | 2970 | 1460 | 1230 | 874 | 881 | 879 | 774 | 778 |
| 26 | 735 | 873 | 1130 | 1370 | 2400 | 3460 | 1170 | 893 | 877 | 767 | 799 | 762 |
| 27 | 769 | 1000 | 1040 | 1250 | 2100 | 16500 | 1120 | 815 | 833 | 726 | 708 | 739 |
| 28 | 787 | 1090 | 1050 | 1160 | 1930 | 20700 | 1070 | 780 | 772 | 704 | 669 | 722 |
| 29 | 761 | 1060 | 1120 | 1100 | 1810 | 10300 | 1030 | 761 | 737 | 686 | 647 | 708 |
| 30 | 747 | 996 | 1130 | 1050 | --- | 6180 | 1020 | 746 | 708 | 674 | 691 | 745 |
| 31 | 741 | --- | 1040 | 1030 | --- | 6470 | --- | 736 | --- | 662 | 867 | --- |
| TOTAL | 23409 | 26989 | 29918 | 38445 | 176030 | 129810 | 146590 | 26612 | 22930 | 25041 | 24814 | 43067 |
| MEAN | 755 | 900 | 965 | 1240 | 6070 | 4187 | 4886 | 858 | 764 | 808 | 800 | 1436 |
| MAX | 860 | 1610 | 1660 | 2410 | 17100 | 20700 | 24200 | 1000 | 985 | 1140 | 1280 | 4880 |
| MIN | 711 | 724 | 812 | 970 | 1160 | 1460 | 1020 | 736 | 651 | 650 | 617 | 708 |
| CFSM | .62 | .74 | .80 | 1.02 | 5.00 | 3.45 | 4.03 | .71 | .63 | .67 | .66 | 1.18 |
| IN. | .72 | .83 | .92 | 1.18 | 5.40 | 3.98 | 4.50 | .82 | .70 | .77 | .76 | 1.32 |

CAL YR 1987 TOTAL 883808 MEAN 2421 MAX 33600 MIN 711 CFSM 2.00 IN. 27.10
WTR YR 1988 TOTAL 713655 MEAN 1950 MAX 24200 MIN 617 CFSM 1.61 IN. 21.89

## 02492000 BOGUE CHITTO NEAR BUSH, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.69 | 3.48 | 3.99 | 4.16 | 4.51 | 5.68 | 10.54 | 4.57 | 3.86 | 3.73 | 3.63 | 4.26 |
| 2 | 3.79 | 3.47 | 3.90 | 4.32 | 8.06 | 5.53 | 11.55 | 4.54 | 3.84 | 3.68 | 3.71 | 4.33 |
| 3 | 3.82 | 3.47 | 3.81 | 4.49 | 11.44 | 6.63 | 12.80 | 4.48 | 3.81 | 3.64 | 3.68 | 4.39 |
| 4 | 3.67 | 3.54 | 3.76 | 4.36 | 11.66 | 9.07 | 13.16 | 4.43 | 3.81 | 3.69 | 3.60 | 5.62 |
| 5 | 3.60 | 3.55 | 3.74 | 4.22 | 10.90 | 9.62 | 12.13 | 4.38 | 4.05 | 3.75 | 3.56 | 8.47 |
| 6 | 3.59 | 3.49 | 3.71 | 4.10 | 10.50 | 9.31 | 11.28 | 4.33 | 4.16 | 4.21 | 3.59 | 9.17 |
| 7 | 3.58 | 3.45 | 3.71 | 4.09 | 10.14 | 8.51 | 10.33 | 4.29 | 4.10 | 4.70 | 3.63 | 8.03 |
| 8 | 3.56 | 3.45 | 3.71 | 4.66 | 9.52 | 7.34 | 9.21 | 4.26 | 4.07 | 4.44 | 3.64 | 6.49 |
| 9 | 3.54 | 3.53 | 3.71 | 4.93 | 8.50 | 6.75 | 8.24 | 4.23 | 3.96 | 4.13 | 3.75 | 5.29 |
| 10 | 3.53 | 3.68 | 3.71 | 4.80 | 7.39 | 7.53 | 7.53 | 4.23 | 3.88 | 3.98 | 4.47 | 5.17 |
| 11 | 3.52 | 3.65 | 3.69 | 4.65 | 6.62 | 0.57 | 7.01 | 4.24 | 3.89 | 4.03 | 5.21 | 5.42 |
| 12 | 3.51 | 3.58 | 3.69 | 4.38 | 6.37 | 8.62 | 6.62 | 4.25 | 3.80 | 4.26 | 4.67 | 5.84 |
| 13 | 3.49 | 3.56 | 3.69 | 4.27 | 6.60 | 7.98 | 6.34 | 4.20 | 3.75 | 4.07 | 4.52 | 6.06 |
| 14 | 3.48 | 3.58 | 3.69 | 4.36 | 6.42 | 6.93 | 6.09 | 4.17 | 3.73 | 3.88 | 4.35 | 5.30 |
| 15 | 3.47 | 3.55 | 3.72 | 4.34 | 7.27 | 6.22 | 5.87 | 4.13 | 3.70 | 3.80 | 3.98 | 4.74 |
| 16 | 3.47 | 3.64 | 3.75 | 4.23 | 9.12 | 5.79 | 5.65 | 4.10 | 3.67 | 3.75 | 3.84 | 5.31 |
| 17 | 3.47 | 4.65 | 3.73 | 4.24 | 10.09 | 5.52 | 5.48 | 4.07 | 3.65 | 3.75 | 3.93 | 6.74 |
| 18 | 3.47 | 5.48 | 3.73 | 4.27 | 9.90 | 5.67 | 5.40 | 4.04 | 3.64 | 4.24 | 4.07 | 6.23 |
| 19 | 3.46 | 5.06 | 3.73 | 4.42 | 10.30 | 6.39 | 5.63 | 4.01 | 3.68 | 4.22 | 4.25 | 5.23 |
| 20 | 3.46 | 4.58 | 3.71 | 5.37 | 11.92 | 6.33 | 5.89 | 3.98 | 4.04 | 4.60 | 4.20 | 4.69 |
| 21 | 3.44 | 4.16 | 4.00 | 6.91 | 12.09 | 5.91 | 5.87 | 4.01 | 4.00 | 4.44 | 4.16 | 4.41 |
| 22 | 3.42 | 3.93 | 5.00 | 6.41 | 10.98 | 5.59 | 5.72 | 4.20 | 4.23 | 4.25 | 4.92 | 4.23 |
| 23 | 3.41 | 3.81 | 5.59 | 5.85 | 9.97 | 5.36 | 5.39 | 4.39 | 4.52 | 4.79 | 4.48 | 4.12 |
| 24 | 3.43 | 3.75 | 5.23 | 5.16 | 8.75 | 5.20 | 5.23 | 4.42 | 4.39 | 4.89 | 4.09 | 4.04 |
| 25 | 3.44 | 3.72 | 4.81 | 4.93 | 7.64 | 5.18 | 5.10 | 4.25 | 4.26 | 4.26 | 3.98 | 3.99 |
| 26 | 3.48 | 3.84 | 4.46 | 5.00 | 6.89 | 7.90 | 4.97 | 4.30 | 4.26 | 3.97 | 4.05 | 3.95 |
| 27 | 3.57 | 4.17 | 4.27 | 4.75 | 6.40 | 11.89 | 4.85 | 4.09 | 4.14 | 3.85 | 3.80 | 3.89 |
| 28 | 3.62 | 4.38 | 4.28 | 4.53 | 6.09 | 12.64 | 4.74 | 4.00 | 3.98 | 3.79 | 3.69 | 3.84 |
| 29 | 3.55 | 4.32 | 4.45 | 4.39 | 5.87 | 10.84 | 4.64 | 3.95 | 3.88 | 3.74 | 3.63 | 3.80 |
| 30 | 3.51 | 4.15 | 4.46 | 4.29 | --- | 9.75 | 4.60 | 3.91 | 3.80 | 3.70 | 3.75 | 3.90 |
| 31 | 3.49 | --- | 4.25 | 4.24 | --- | 9.86 | --- | 3.88 | --- | 3.67 | 4.23 | --- |
| MAX | 3.82 | 5.48 | 5.59 | 6.91 | 12.09 | 12.64 | 13.16 | 4.57 | 4.52 | 4.89 | 5.21 | 9.17 |
| MIN | 3.41 | 3.45 | 3.69 | 4.09 | 4.51 | 5.18 | 4.60 | 3.38 | 3.64 | 3.64 | 3.56 | 3.80 |

## 02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

### WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1953-55, 1965-68, 1973 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1974 to September 1981.
WATER TEMPERATURES: October 1974 to September 1981.

INSTRUMENTATION.--Water-quality monitor October 1975 to September 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 402 micromhos July 11, 1976; minimum, 1[illegible] micromhos Feb. 10, 1981.
WATER TEMPERATURES: Maximum, 3[illegible].0°C June 26, 1977, July 24, 25, 1981; minimum, 5.0°C Jan. 19, 20, 1977, Jan. 20, 21, 1978.

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | DIS-CHARGE, IN CUBIC FEET PER SECOND | SPE-CIFIC CON-DUCT-ANCE (US/CM) | PH (STAND-ARD UNITS) | TEMPER-ATURE WATER (DEG C) | COLOR (PLAT-INUM-COBALT UNITS) | TUR-BID-ITY (NTU) | OXYGEN, DIS-SOLVED (MG/L) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) | STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 09... | 1300 | 759 | 38 | 6.30 | 20.0 | 5 | 4.7 | 8.8 | 0.5 | K300 | K22 |
| DEC | | | | | | | | | | | |
| 02... | 1130 | 895 | 44 | 6.86 | 13.0 | 20 | 3.8 | 9.9 | 0.5 | K80 | 46 |
| FEB 1988 | | | | | | | | | | | |
| 03... | 1245 | 13700 | 25 | 6.20 | 17.5 | 80 | 36 | 8.2 | 2.8 | K38000 | K60000 |
| APR | | | | | | | | | | | |
| 15... | 1230 | 1600 | 40 | 6.58 | 19.5 | 60 | 4.7 | 8.5 | 0.7 | 58 | 52 |
| JUN | | | | | | | | | | | |
| 30... | 1000 | 708 | 44 | 7.17 | 30.0 | 5 | 5.6 | 7.4 | 1.3 | K38 | K8 |
| AUG | | | | | | | | | | | |
| 16... | 0950 | 722 | 45 | 6.91 | 29.0 | 10 | 8.9 | 7.0 | 1.3 | 58 | 280 |

| DATE | HARD-NESS TOTAL (MG/L AS CACO3) | CALCIUM DIS-SOLVED (MG/L AS CA) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) | SODIUM, DIS-SOLVED (MG/L AS NA) | POTAS-SIUM, DIS-SOLVED (MG/L AS K) | ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DIS-SOLVED (MG/L AS SO4) | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) | FLUO-RIDE, DIS-SOLVED (MG/L AS F) | SILICA, DIS-SOLVED (MG/L AS SIO2) | SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 09... | 8 | 1.8 | 0.86 | 4.3 | 1.2 | 9 | 2.1 | 6.3 | 0.2 | 10 | 28 |
| DEC | | | | | | | | | | | |
| 02... | 8 | 1.9 | 0.85 | 4.2 | 1.7 | 9 | 3.5 | 6.4 | 0.2 | 11 | 30 |
| FEB 1988 | | | | | | | | | | | |
| 03... | 4 | 0.94 | 0.44 | 1.7 | 2.5 | 7 | 4.5 | 3.0 | 0.1 | 3.6 | 30 |
| APR | | | | | | | | | | | |
| 15... | 9 | 2.0 | 0.97 | 3.3 | 1.1 | 5 | 4.8 | 5.1 | 0.1 | 11 | 37 |
| JUN | | | | | | | | | | | |
| 30... | 9 | 2.1 | 0.93 | 4.0 | 1.3 | 11 | 3.4 | 5.8 | 0.2 | 9.4 | 39 |
| AUG | | | | | | | | | | | |
| 16... | 9 | 2.0 | 0.93 | 4.0 | 1.5 | 11 | 3.8 | 6.0 | 0.1 | 11 | 32 |

| DATE | SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) | NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) | NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) | NITRO-GEN, AMMONIA TOTAL (MG/L AS N) | NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) | NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) | PHOS-PHOROUS TOTAL (MG/L AS P) | PHOS-PHOROUS DIS-SOLVED (MG/L AS P) | PHOS-PHOROUS ORTHO, DIS-SOLVED (MG/L AS P) |
|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | |
| 09... | 33 | <0.01 | 0.10 | 0.01 | 0.02 | 0.6 | 0.03 | 0.02 | <0.01 |
| DEC | | | | | | | | | |
| 02... | 35 | <0.01 | 0.10 | 0.07 | <0.03 | 0.2 | 0.04 | 0.01 | 0.01 |
| FEB 1988 | | | | | | | | | |
| 03... | 20 | <0.01 | 0.19 | 0.06 | .060 | 0.9 | 0.04 | 0.04 | 0.03 |
| APR | | | | | | | | | |
| 15... | 37 | <0.01 | 0.30 | 0.02 | 0.04 | 0.2 | 0.05 | 0.03 | 0.01 |
| JUN | | | | | | | | | |
| 30... | 33 | <0.01 | 0.13 | 0.01 | 0.03 | 0.4 | 0.05 | 0.02 | 0.01 |
| AUG | | | | | | | | | |
| 16... | 36 | <0.01 | 0.17 | 0.02 | <0.01 | 0.3 | 0.04 | 0.02 | 0.02 |

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal colony count).

## 02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | ALUMINUM, DISSOLVED (UG/L AS AL) | ARSENIC DISSOLVED (UG/L AS AS) | BARIUM, DISSOLVED (UG/L AS BA) | BERYLLIUM, DISSOLVED (UG/L AS BE) | CADMIUM DISSOLVED (UG/L AS CD) | CHROMIUM, DISSOLVED (UG/L AS CR) | COBALT, DISSOLVED (UG/L AS CO) | COPPER, DISSOLVED (UG/L AS CU) | IRON, DISSOLVED (UG/L AS FE) | LEAD, DISSOLVED (UG/L AS PB) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 09... | 20 | 1 | 23 | <0.5 | <1 | <1 | <3 | <1 | 110 | <5 |
| FEB 1988 | | | | | | | | | | |
| 03... | 140 | 1 | 22 | <0.5 | 2 | <1 | <3 | 4 | 260 | <5 |
| APR | | | | | | | | | | |
| 15... | 30 | <1 | 35 | <0.5 | <1 | <1 | <3 | 1 | 210 | <5 |
| JUN | | | | | | | | | | |
| 30... | 20 | <1 | 23 | <0.5 | <1 | <1 | <3 | 3 | 82 | <5 |
| AUG | | | | | | | | | | |
| 16... | 30 | <1 | 31 | <0.5 | <1 | <1 | <3 | 1 | 200 | <5 |

| DATE | LITHIUM DISSOLVED (UG/L AS LI) | MANGANESE, DISSOLVED (UG/L AS MN) | MERCURY DISSOLVED (UG/L AS HG) | MOLYBDENUM, DISSOLVED (UG/L AS MO) | NICKEL, DISSOLVED (UG/L AS NI) | SELENIUM, DISSOLVED (UG/L AS SE) | SILVER, DISSOLVED (UG/L AS AG) | STRONTIUM, DISSOLVED (UG/L AS SR) | VANADIUM, DISSOLVED (UG/L AS V) | ZINC, DISSOLVED (UG/L AS ZN) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 09... | 9 | 53 | <0.1 | <10 | <1 | <1 | <1 | 21 | <6 | <3 |
| FEB 1988 | | | | | | | | | | |
| 03... | <4 | 170 | 0.2 | <10 | 5 | <1 | <1 | 9 | <6 | 16 |
| APR | | | | | | | | | | |
| 15... | <4 | 83 | <0.1 | <10 | 1 | <1 | <1 | 22 | <6 | <3 |
| JUN | | | | | | | | | | |
| 30... | <4 | 41 | -- | <10 | <1 | <1 | <1 | 23 | <6 | 13 |
| AUG | | | | | | | | | | |
| 16... | <4 | 86 | <0.1 | <10 | 1 | <1 | <1 | 23 | <6 | <3 |

| DATE | SEDIMENT, SUSPENDED (MG/L) | SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM |
|---|---|---|---|
| OCT 1987 | | | |
| 09... | 13 | 27 | 94 |
| DEC | | | |
| 02... | 17 | 41 | 86 |
| FEB 1988 | | | |
| 03... | 169 | 6250 | 62 |
| APR | | | |
| 15 .. | 20 | 86 | 99 |
| JUN | | | |
| 30... | 15 | 29 | 100 |
| AUG | | | |
| 16... | 11 | 21 | 99 |

< Actual value is known to be less than the value shown.

## 02492600 PEARL RIVER AT PEARL RIVER, LA

LOCATION.--Lat 30°23'06", long 89°44'12", in NW 1/4 NW 1/4 sec.6, T.8 S., R.15 E., St. Helena meridian, St. Tammany Parish, Hydrologic Unit 03180004, on left bank on downstream side of Norfolk and Southern Railroad bridge over West Pearl River, 700 ft upstream from Interstate Highway 59, and 0.8 mi northeast of town of Pearl River.

DRAINAGE AREA.--8,494 mi², includes East Pearl River.

PERIOD OF RECORD.--October 1963 to September 1970. October 1975 to current year (gage heights and discharge measurements only). Daily discharge records October 1961 to September 1963 and gage heights only October 1970 to September 1975 in files of Corps of Engineers, Mobile district. Gage-height records since June 1906 are in reports of National Weather Service and gage-height records October 1899 to May 1906 (collected by Southern Railway System) are in files of National Weather Service, Meridian, MS.

REVISED RECORDS.--WDR LA-1981-2: 1980(M): Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 0.05 ft below National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers, Mobile District). Prior to September 1970, supplemental gage located on East Pearl River at different datum for the determination of daily mean discharge for the entire flood plain.

REMARKS.--Records for Feb. 9, July 6, 7, 9, 11, and Aug. 10 to Sept. 10 obtained from once daily observed readings. Records of daily discharge are the combined flow of the entire flood plain of the West and East Pearl Rivers. Records since October 1975 represent stages for the West Pearl River only.

AVERAGE DISCHARGE.--7 years (water years 1964-70) 9,470 ft³/s, 14.97 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 230,000 ft³/s Apr. 9, 1983, gage height, 21.05 ft; minimum daily discharge, 1,580 ft³/s Oct. 24, Nov. 10, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge observed since October 1899 is that of Apr. 9, 1983. Flood of 1874 reached a stage of 20.2 ft, furnished by Corps of Engineers. Southern Railway System reported a stage of 19.7 ft Apr. 19, 1900.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 67,800 ft³/s Apr. 5, gage height recorded, 16.55 ft; minimum gage height, not determined.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.21 | 3.73 | 5.05 | 5.88 | --- | 9.35 | 14.65 | 9.69 | 4.44 | --- | --- | 4.47 |
| 2 | 4.19 | 3.72 | 4.79 | 5.94 | --- | 8.82 | 15.17 | 9.30 | 4.36 | --- | --- | 4.78 |
| 3 | 4.17 | 3.76 | 4.62 | 5.97 | --- | 8.92 | 15.78 | 8.66 | 4.25 | --- | --- | 5.15 |
| 4 | 4.17 | 3.87 | 4.51 | 5.97 | --- | 10.53 | 16.22 | 7.88 | 4.18 | --- | --- | 5.35 |
| 5 | 4.06 | 3.90 | 4.39 | 5.84 | --- | 11.51 | 16.49 | 7.12 | 4.41 | --- | --- | 8.00 |
| 6 | 3.91 | 3.82 | 4.33 | 5.96 | --- | 12.04 | 16.29 | 6.56 | 4.91 | 4.26 | --- | 9.17 |
| 7 | 3.70 | 3.80 | 4.37 | 6.40 | --- | 11.78 | 15.98 | 6.20 | 4.89 | 5.02 | --- | 10.13 |
| 8 | 3.58 | 3.82 | 4.45 | 6.54 | --- | 11.41 | 15.67 | 5.99 | 4.65 | --- | --- | 10.38 |
| 9 | 3.82 | 3.95 | 4.48 | 6.80 | 12.61 | 11.05 | 15.36 | 5.80 | 4.45 | 6.00 | --- | 9.81 |
| 10 | 3.82 | 3.97 | 4.59 | 7.14 | 11.57 | 10.79 | 15.08 | 5.61 | 4.42 | --- | 5.50 | 8.79 |
| 11 | 3.80 | 3.78 | 4.64 | 7.17 | 10.53 | 10.85 | 14.74 | 5.50 | 4.29 | 4.87 | 5.58 | 8.04 |
| 12 | 3.69 | 3.82 | 4.54 | 7.03 | 9.70 | 11.27 | 14.45 | 5.47 | 4.22 | --- | 5.66 | 7.92 |
| 13 | 3.62 | 3.79 | 4.46 | 6.74 | 9.26 | 11.61 | 14.13 | 5.48 | 4.20 | --- | 5.57 | 8.35 |
| 14 | 3.69 | 3.80 | 4.51 | 6.37 | 9.30 | 11.65 | 13.79 | 5.37 | 4.15 | --- | 5.45 | 8.50 |
| 15 | 3.76 | 3.93 | 4.44 | 6.16 | 10.04 | 11.32 | 13.39 | 5.21 | 4.04 | --- | 5.72 | 7.83 |
| 16 | 3.72 | 4.17 | 4.19 | 6.04 | 10.51 | 10.76 | 12.77 | 5.09 | 3.94 | --- | 5.52 | 7.22 |
| 17 | 3.67 | 4.71 | 4.14 | 6.13 | 11.12 | 10.22 | 11.76 | 4.98 | 3.84 | --- | 5.19 | 8.10 |
| 18 | 3.64 | 5.49 | 4.15 | 6.04 | 12.41 | 9.91 | 10.55 | 4.88 | 3.79 | --- | 5.08 | 9.32 |
| 19 | 3.66 | 6.45 | 4.21 | 6.07 | 13.60 | 9.78 | 9.57 | 4.81 | 3.78 | --- | 5.11 | 8.97 |
| 20 | 3.69 | 6.60 | 4.29 | 6.30 | 13.92 | 9.68 | 9.13 | 4.76 | 3.82 | --- | 5.77 | 7.89 |
| 21 | 3.63 | 6.06 | 4.41 | 6.96 | 14.81 | 9.40 | 9.00 | 4.75 | 4.06 | --- | 5.27 | 6.69 |
| 22 | 3.66 | 5.58 | 4.90 | 8.03 | 15.41 | 9.00 | 8.96 | 4.79 | 4.32 | --- | 4.84 | 5.92 |
| 23 | 3.71 | 5.29 | 5.74 | 8.61 | 15.21 | 8.70 | 9.01 | 4.77 | 4.58 | --- | 4.56 | 5.46 |
| 24 | 3.76 | 4.99 | 6.75 | 8.93 | 14.58 | 8.31 | 9.02 | 4.92 | 4.76 | --- | 4.66 | 5.11 |
| 25 | 3.76 | 4.74 | 7.11 | 8.91 | 13.72 | 7.85 | 8.79 | 5.11 | 4.65 | --- | 4.76 | 4.85 |
| 26 | 3.73 | 4.62 | 6.95 | 8.63 | 12.68 | 8.00 | 8.28 | 5.06 | 4.53 | --- | 4.53 | 4.72 |
| 27 | 3.73 | 4.63 | 6.52 | 8.44 | 11.64 | 10.19 | 7.85 | 4.95 | --- | --- | 4.67 | 4.64 |
| 28 | 3.71 | 4.94 | 6.03 | 8.17 | 10.68 | 14.05 | 8.28 | 4.81 | --- | --- | 4.78 | 4.57 |
| 29 | 3.76 | 5.29 | 5.63 | 7.65 | 9.94 | 15.52 | 9.18 | 4.67 | --- | --- | 4.66 | --- |
| 30 | 3.76 | 5.27 | 5.62 | --- | --- | 15.12 | 9.70 | 4.58 | --- | --- | 4.44 | --- |
| 31 | 3.74 | --- | 5.79 | --- | --- | 14.68 | --- | 4.51 | --- | --- | 4.38 | --- |
| MAX | 4.21 | 6.60 | 7.11 | 8.93 | 15.41 | 15.52 | 16.49 | 9.69 | 4.91 | --- | 5.77 | 10.38 |
| MIN | 3.58 | 3.72 | 4.14 | 5.84 | --- | 7.85 | 7.85 | 4.51 | 3.78 | --- | 4.38 | 4.47 |

## 07295100 MISSISSIPPI RIVER AT TARBERT LANDING, MS

LOCATION.--Lat 31°00'30", long 91°37'25", in lot 6, T.1 N., R.5 W., Wilkinson County, Hydrologic Unit 08060100, near left bank at Tarbert Landing, 2.5 mi upstream from Lower Old River, 8.2 mi downstream from inlet channel to Old River Control Structure, and at river mile 306.3.

DRAINAGE AREA.--1,124,900 $mi^2$, contributing.

PERIOD OF RECORD.--Water years 1973-87.

PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT DISCHARGE: October 1972 to September 1987.

REMARKS.--Records for the 1988 water year are not available in time for inclusion in this report. They will be published in a subsequent report.

COOPERATION.--Samples for suspended-sediment analysis are collected by the Corps of Engineers and analyzed by the Geological Survey. Daily suspended-sediment discharge records are computed by the Geological Survey and reviewed by the Corps of Engineers. Corps of Engineers station 01100.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 2,490,000 tons Jan. 14, 1985; minimum daily, 24,000 tons Aug. 15, 1977.

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

| DATE | TIME | STREAM-FLOW, INSTAN-TANEOUS (CFS) | SEDI-MENT, SUS-PENDED (MG/L) | SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM |
|---|---|---|---|---|---|
| OCT | | | | | |
| 16... | 1015 | 710000 | 565 | 1080000 | 98 |
| 27... | 1015 | 769000 | 374 | 777000 | 97 |
| NOV | | | | | |
| 10... | 1115 | 637000 | 240 | 413000 | 97 |
| 24... | 1115 | 640000 | 333 | 575000 | 99 |
| DEC | | | | | |
| 08... | 1645 | 754000 | 320 | 651000 | 90 |
| 22... | 1115 | 804000 | 232 | 504000 | 99 |
| JAN | | | | | |
| 05... | 1115 | 587000 | 151 | 239000 | 98 |
| 20... | 1145 | 425000 | 319 | 366000 | 99 |
| FEB | | | | | |
| 02... | 1115 | 511000 | 174 | 240000 | 97 |
| 17... | 1115 | 495000 | 469 | 627000 | 95 |
| MAR | | | | | |
| 02... | 1115 | 660000 | 300 | 535000 | 97 |
| 16... | 1115 | 948000 | 228 | 584000 | 96 |
| 30... | 1115 | 742000 | 169 | 339000 | 98 |
| APR | | | | | |
| 27... | 1015 | 711000 | 325 | 624000 | 97 |
| MAY | | | | | |
| 11... | 1015 | 459000 | 228 | 283000 | 98 |
| 28... | 1015 | 293000 | 232 | 184000 | 86 |
| JUN | | | | | |
| 11... | 1015 | 452000 | 285 | 348000 | 97 |
| 22... | 1015 | 369000 | 354 | 353000 | 99 |
| JUL | | | | | |
| 06... | 1015 | 326000 | 224 | 197000 | 99 |
| 20... | 1015 | 358000 | 235 | 227000 | 96 |
| AUG | | | | | |
| 03... | 1015 | 237000 | 331 | 212000 | 99 |
| 17... | 1015 | 219000 | 180 | 106000 | 100 |
| 31... | 1015 | 219000 | 209 | 124000 | 97 |
| SEP | | | | | |
| 14... | 1015 | 234000 | 588 | 371000 | 99 |
| 28... | 1015 | 196000 | 146 | 77000 | 99 |

## 07295100 MISSISSIPPI RIVER AT TARBERT LANDING, MS

### SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 162000 | 565000 | 530000 | 297000 | 246000 | 538000 | 348000 | 558000 | 223000 | 224000 | 227000 | 136000 |
| 2 | 183000 | 536000 | 522000 | 277000 | 240000 | 534000 | 334000 | 538000 | 233000 | 218000 | 217000 | 146000 |
| 3 | 212000 | 509000 | 526000 | 261000 | 254000 | 531000 | 335000 | 512000 | 241000 | 214000 | 212000 | 151000 |
| 4 | 248000 | 490000 | 539000 | 248000 | 266000 | 541000 | 336000 | 481000 | 248000 | 211000 | 194000 | 155000 |
| 5 | 285000 | 468000 | 565000 | 239000 | 276000 | 559000 | 336000 | 448000 | 259000 | 206000 | 179000 | 161000 |
| 6 | 324000 | 455000 | 591000 | 252000 | 287000 | 579000 | 338000 | 419000 | 269000 | 197000 | 171000 | 170000 |
| 7 | 362000 | 441000 | 620000 | 262000 | 301000 | 593000 | 343000 | 390000 | 286000 | 192000 | 161000 | 189000 |
| 8 | 404000 | 426000 | 651000 | 275000 | 319000 | 604000 | 349000 | 362000 | 304000 | 192000 | 153000 | 217000 |
| 9 | 479000 | 418000 | 647000 | 276000 | 341000 | 617000 | 361000 | 340000 | 321000 | 191000 | 147000 | 251000 |
| 10 | 519000 | 412000 | 640000 | 276000 | 366000 | 624000 | 371000 | 312000 | 337000 | 191000 | 142000 | 281000 |
| 11 | 597000 | 432000 | 634000 | 278000 | 396000 | 633000 | 381000 | 282000 | 347000 | 189000 | 134000 | 310000 |
| 12 | 688000 | 413000 | 636000 | 277000 | 431000 | 641000 | 395000 | 266000 | 353000 | 189000 | 129000 | 334000 |
| 13 | 786000 | 452000 | 623000 | 275000 | 467000 | 630000 | 409000 | 257000 | 357000 | 193000 | 127000 | 351000 |
| 14 | 882000 | 464000 | 612000 | 277000 | 500000 | 617000 | 419000 | 244000 | 363000 | 201000 | 124000 | 371000 |
| 15 | 988000 | 477000 | 607000 | 284000 | 536000 | 602000 | 424000 | 237000 | 365000 | 210000 | 118000 | 320000 |
| 16 | 1080000 | 493000 | 594000 | 293000 | 565000 | 583000 | 431000 | 237000 | 367000 | 218000 | 113000 | 276000 |
| 17 | 1090000 | 514000 | 581000 | 304000 | 626000 | 565000 | 432000 | 236000 | 367000 | 226000 | 106000 | 240000 |
| 18 | 1090000 | 531000 | 570000 | 312000 | 599000 | 546000 | 433000 | 233000 | 364000 | 230000 | 103000 | 215000 |
| 19 | 1080000 | 540000 | 558000 | 333000 | 581000 | 540000 | 446000 | 227000 | 355000 | 230000 | 102000 | 195000 |
| 20 | 1060000 | 547000 | 545000 | 366000 | 570000 | 517000 | 461000 | 219000 | 349000 | 227000 | 100000 | 177000 |
| 21 | 1030000 | 561000 | 526000 | 337000 | 562000 | 496000 | 480000 | 212000 | 350000 | 232000 | 97000 | 158000 |
| 22 | 994000 | 576000 | 503000 | 320000 | 548000 | 475000 | 497000 | 203000 | 352000 | 239000 | 95000 | 138000 |
| 23 | 954000 | 576000 | 485000 | 312000 | 552000 | 454000 | 519000 | 195000 | 332000 | 245000 | 94000 | 123000 |
| 24 | 918000 | 575000 | 477000 | 297000 | 569000 | 435000 | 545000 | 188000 | 319000 | 253000 | 94000 | 113000 |
| 25 | 873000 | 575000 | 466000 | 283000 | 550000 | 423000 | 570000 | 185000 | 303000 | 257000 | 96000 | 103000 |
| 26 | 827000 | 604000 | 453000 | 271000 | 535000 | 405000 | 595000 | 182000 | 286000 | 260000 | 100000 | 92000 |
| 27 | 776000 | 607000 | 427000 | 264000 | 522000 | 385000 | 623000 | 180000 | 274000 | 260000 | 103000 | 85000 |
| 28 | 739000 | 576000 | 402000 | 257000 | 529000 | 366000 | 609000 | 183000 | 258000 | 254000 | 111000 | 77000 |
| 29 | 695000 | 551000 | 376000 | 253000 | --- | 351000 | 598000 | 192000 | 244000 | 252000 | 116000 | 78000 |
| 30 | 647000 | 543000 | 345000 | 253000 | --- | 338000 | 580000 | 203000 | 232000 | 247000 | 120000 | 81000 |
| 31 | 611000 | --- | 321000 | 251000 | --- | 344000 | --- | 211000 | --- | 237000 | 123000 | --- |
| TOTAL | 21583000 | 14064000 | 16572000 | 8760000 | 12535000 | 16066000 | 13298000 | 8932000 | 9258000 | 6885000 | 4108000 | 5694000 |
| MEAN | 696000 | 469000 | 535000 | 283000 | 448000 | 518000 | 443000 | 288000 | 309000 | 222000 | 133000 | 190000 |
| MAX | 1090000 | 607000 | 651000 | 366000 | 626000 | 641000 | 623000 | 558000 | 367000 | 260000 | 227000 | 371000 |
| MIN | 162000 | 113000 | 321000 | 239000 | 240000 | 338000 | 334000 | 180000 | 223000 | 189000 | 94000 | 77000 |

WTR YR 1987 TOTAL 137755000 MEAN 377000 MAX 1090000 MIN 77000

## 07344400 RED RIVER NEAR HOSSTON, LA

LOCATION.--Lat 32°53'35", long 93°49'20", in SW 1/4 sec.16, T.22 N., R.14 W., Bossier-Caddo Parish line, Hydrologic Unit 11140202, near left bank on downstream side of bridge on State Highway 2, 1.8 mi downstream from Dry Bayou, and 3.2 mi east of Hosston.

DRAINAGE AREA.--57,041 mi², of which 5,936 mi² above Denison Dam is noncontributing.

PERIOD OF RECORD.--October 1957 to September 1968. October 1968 to current year (daily gage heights and discharges below 5,000 ft³/s only).

GAGE.--Nonrecording gage read once daily. Datum of gage is 161.56 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Feb. 20, 1962, water-stage recorder at same site and datum.

REMARKS.--No daily discharges published above 5,000 ft³/s. No estimated daily discharges. Regulation since July 1942 by Lake Texoma (capacity, 5,392,000 acre-ft), since July 1953 by Texarkana Reservoir (capacity, 2,654,300 acre-ft), and since August 1966 by Millwood Lake (capacity, 1,854,900 acre-ft). Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--11 years (water years 1958-68), 17,920 ft³/s, 12,980,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 214,000 ft³/s May 7, 1958, gage height, 27.89 ft; minimum daily, 803 ft³/s Sept. 16, 17, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 20.69 ft Dec. 29; minimum discharge, 1,890 ft³/s Sept. 30, gage height 0.50 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | 4580 | 3020 | 3120 | 4370 |
| 2 | | | | | | | | | 4450 | 3120 | 3140 | 4780 |
| 3 | | | | | | | | | 4370 | 3190 | 3120 | |
| 4 | | | | | | | | | 4370 | 3240 | 3140 | |
| 5 | 4880 | | | | | | | | 4220 | 3500 | 3260 | |
| 6 | 4640 | | | | | | | | 4160 | 4030 | 3240 | |
| 7 | 4600 | | | | | | | | 3990 | 4100 | 3190 | |
| 8 | | | | | | | | | 3930 | 4080 | 3190 | |
| 9 | | | | | | | | | 4260 | 3780 | 3240 | |
| 10 | | | | | | | | | 4220 | 3490 | 3100 | |
| 11 | 4200 | | | | | | | | 4030 | 3470 | 3140 | |
| 12 | 3970 | | | | | | | | 4030 | 3450 | 3190 | |
| 13 | 4620 | | | | | | | | 3970 | 3450 | 3190 | |
| 14 | 4720 | | | | | | | | 3870 | 3430 | 3310 | |
| 15 | 4560 | | | | | | | | 3800 | 3680 | 3560 | 4640 |
| 16 | 4580 | | | | | | | | 3610 | | 3890 | 4450 |
| 17 | 4600 | | | | | | | | 3560 | | | 3360 |
| 18 | 4620 | | | | | | | | 3520 | | | 3140 |
| 19 | 4800 | | | | | | | | 3410 | | | 3200 |
| 20 | 4760 | | | | | | | | 3190 | | | 2970 |
| 21 | 4780 | | | | | | | | 3040 | 4920 | | 2790 |
| 22 | 4800 | | | | | | | | 3120 | 4490 | | 2650 |
| 23 | | | | | | | | | 2980 | 3930 | | 2510 |
| 24 | 4880 | | | | | | | | 3020 | 3590 | | 2410 |
| 25 | 4780 | | | | | | | | 3000 | 3540 | | 2330 |
| 26 | 4860 | | | | | | | | 2980 | 3400 | | 2240 |
| 27 | | | | | | | | | 2950 | 3320 | | 2180 |
| 28 | | | | | | | | | 3020 | 3220 | | 2150 |
| 29 | | | | | | | | | 2980 | 3120 | | 2030 |
| 30 | | | | | | | | 4780 | 3020 | 3050 | 4820 | 1910 |
| 31 | | | | | | | | 4640 | | 3100 | 4550 | |
| TOTAL | | | | | | | | | 109650 | | | |
| MEAN | | | | | | | | | 3655 | | | |
| MAX | | | | | | | | | 4580 | | | |
| MIN | 3970 | | | | | | | 4640 | 2950 | 3020 | 3100 | 1910 |
| AC-FT | | | | | | | | | 217500 | | | |

## 07344400 RED RIVER NEAR HOSSTON, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.15 | 4.25 | 10.69 | 17.67 | 10.28 | 10.08 | 7.97 | 6.90 | 2.58 | 1.72 | 1.65 | 2.05 |
| 2 | 3.95 | 4.82 | 10.09 | 17.44 | 10.13 | 9.69 | 8.99 | 6.80 | 2.50 | 1.78 | 1.65 | 2.25 |
| 3 | 3.62 | 4.98 | 9.41 | 17.61 | 10.03 | 9.35 | 9.77 | 6.95 | 2.46 | 1.82 | 1.64 | 2.75 |
| 4 | 3.18 | 5.02 | 9.32 | 17.79 | 10.03 | 9.23 | 10.17 | 6.51 | 2.46 | 1.85 | 1.64 | 3.26 |
| 5 | 2.68 | 4.83 | 9.44 | 17.59 | 10.33 | 9.36 | 10.59 | 5.85 | 2.38 | 2.00 | 1.70 | 3.35 |
| 6 | 2.54 | 4.68 | 9.79 | 17.17 | 10.80 | 9.57 | 11.30 | 5.40 | 2.35 | 2.28 | 1.68 | 3.30 |
| 7 | 2.51 | 4.58 | 10.29 | 16.91 | 10.18 | 10.62 | 11.10 | 5.30 | 2.26 | 2.32 | 1.64 | 3.35 |
| 8 | 2.92 | 4.48 | 10.37 | 16.59 | 10.01 | 11.82 | 11.78 | 5.21 | 2.23 | 2.31 | 1.63 | 3.58 |
| 9 | 3.24 | 4.62 | 10.19 | 16.15 | 10.53 | 11.85 | 12.39 | 5.25 | 2.40 | 2.15 | 1.65 | 3.65 |
| 10 | 2.96 | 4.75 | 10.09 | 15.70 | 10.23 | 11.77 | 12.56 | 5.38 | 2.38 | 1.99 | 1.56 | 3.41 |
| 11 | 2.30 | 5.20 | 10.03 | 15.38 | 9.93 | 11.62 | 12.32 | 5.28 | 2.28 | 1.98 | 1.57 | 3.10 |
| 12 | 2.18 | 5.78 | 10.29 | 14.70 | 9.72 | 11.62 | 12.10 | 5.05 | 2.28 | 1.97 | 1.59 | 2.89 |
| 13 | 2.52 | 6.29 | 10.39 | 14.30 | 9.48 | 11.57 | 11.58 | 4.82 | 2.25 | 1.97 | 1.58 | 2.64 |
| 14 | 2.58 | 6.44 | 10.27 | 13.98 | 9.18 | 11.59 | 11.12 | 4.68 | 2.20 | 1.96 | 1.65 | 2.35 |
| 15 | 2.49 | 6.49 | 10.19 | 13.83 | 8.97 | 11.62 | 10.64 | 4.62 | 2.16 | 2.10 | 1.78 | 2.12 |
| 16 | 2.51 | 7.21 | 10.64 | 14.08 | 8.83 | 11.07 | 9.91 | 4.50 | 2.06 | 3.85 | 1.95 | 2.02 |
| 17 | 2.53 | 7.89 | 10.69 | 14.28 | 8.78 | 10.62 | 9.35 | 4.12 | 2.03 | 4.23 | 2.59 | 1.44 |
| 18 | 2.54 | 9.39 | 10.69 | 14.30 | 8.90 | 10.29 | 9.12 | 3.90 | 2.01 | 4.31 | 3.30 | 1.31 |
| 19 | 2.65 | 11.29 | 11.07 | 14.08 | 9.38 | 10.02 | 8.90 | 3.75 | 1.95 | 4.26 | 3.22 | 1.35 |
| 20 | 2.62 | 11.77 | 11.39 | 13.73 | 9.83 | 9.71 | 8.80 | 3.68 | 1.82 | 3.48 | 3.18 | 1.21 |
| 21 | 2.63 | 11.71 | 11.17 | 13.36 | 10.48 | 9.87 | 9.05 | 3.61 | 1.73 | 2.75 | 3.22 | 1.10 |
| 22 | 2.65 | 11.17 | 11.29 | 13.08 | 11.27 | 10.46 | 10.18 | 3.50 | 1.78 | 2.48 | 3.45 | 1.01 |
| 23 | 2.78 | 10.39 | 11.90 | 12.98 | 11.43 | 10.67 | 10.85 | 3.35 | 1.70 | 2.18 | 3.50 | .92 |
| 24 | 2.69 | 10.09 | 12.99 | 12.88 | 11.38 | 10.42 | 10.45 | 3.20 | 1.72 | 2.00 | 3.38 | .85 |
| 25 | 2.63 | 10.43 | 14.24 | 12.70 | 11.38 | 10.19 | 9.80 | 3.12 | 1.71 | 1.96 | 3.20 | .80 |
| 26 | 2.68 | 10.89 | 15.74 | 12.43 | 11.26 | 9.82 | 9.28 | 3.05 | 1.70 | 1.87 | 3.08 | .74 |
| 27 | 2.88 | 10.91 | 18.14 | 12.28 | 10.79 | 9.39 | 8.20 | 3.01 | 1.68 | 1.82 | 2.95 | .70 |
| 28 | 3.18 | 10.77 | 19.99 | 12.27 | 10.35 | 9.18 | 7.88 | 2.99 | 1.72 | 1.75 | 2.78 | .68 |
| 29 | 3.12 | 10.91 | 20.57 | 11.86 | 10.29 | 9.12 | 7.75 | 2.88 | 1.70 | 1.68 | 2.49 | .60 |
| 30 | 3.25 | 11.09 | 19.93 | 11.28 | --- | 8.62 | 7.39 | 2.70 | 1.72 | 1.63 | 2.30 | .52 |
| 31 | 3.72 | --- | 18.87 | 10.68 | --- | 7.97 | --- | 2.62 | --- | 1.65 | 2.15 | --- |
| MAX | 4.15 | 11.77 | 20.57 | 17.79 | 11.43 | 11.85 | 12.56 | 6.95 | 2.58 | 4.31 | 3.50 | 3.65 |
| MIN | 2.18 | 4.25 | 9.32 | 10.68 | 8.78 | 7.97 | 7.39 | 2.62 | 1.68 | 1.63 | 1.56 | .52 |

## 07344410 RED RIVER ABOVE SHREVEPORT, LA (CE 04225)

LOCATION.--Lat 32°32'57", long 93°45'51", in lot 14, T.18 N., R.14 W., Caddo Parish, Hydrologic Unit 11140202, near right bank, 2.7 mi northeast of Shreveport Courthouse, 4.9 mi upstream from mouth of Cross Bayou, 5.4 mi upstream from gaging station at Illinois Central Railroad bridge at Shreveport (Station 07348500), and at mile 282.5.

DRAINAGE AREA.--57,100 $mi^2$, approximately, of which 5,936 $mi^2$ above Denison Dam is noncontributing.

PERIOD OF RECORD.--Water years 1974-84, 1986 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1974 to September 1975, October 1976 to September 1977.
WATER TEMPERATURES: October 1974 to September 1975, October 1976 to September 1977.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 1,880 micromhos June 5, 6, 1977; minimum daily, 163 micromhos Mar. 17, 1977.
WATER TEMPERATURES: Maximum daily, 32.0°C July 25, 1977; minimum daily, 4.5°C Jan. 19, 1977.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--A water temperature of 2.5°C was observed Jan. 15, 1976.

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | SPE-CIFIC CON-DUCT-ANCE (US/CM) | PH (STAND-ARD UNITS) | TEMPER-ATURE WATER (DEG C) | COLOR (PLAT-INUM-COBALT UNITS) | TUR-BID-ITY (NTU) | OXYGEN, DIS-SOLVED (MG/L) | OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) | COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 28... | 0730 | 1180 | 7.90 | 17.0 | 20 | 20 | 9.6 | 16 | 2.1 | 4600 |
| NOV | | | | | | | | | | |
| 20... | 0830 | 490 | 7.80 | 15.0 | 160 | 68 | 9.5 | 25 | 2.8 | -- |
| DEC | | | | | | | | | | |
| 11... | 0730 | 265 | 7.80 | 12.5 | 100 | 52 | 9.1 | 38 | 2.2 | 240 |
| JAN 1988 | | | | | | | | | | |
| 13... | 0745 | 444 | 7.63 | 3.0 | 60 | 90 | 12.0 | 13 | 3.1 | K600 |
| FEB | | | | | | | | | | |
| 03... | 1130 | 606 | 7.70 | 14.5 | 80 | 53 | 10.5 | 15 | 1.4 | 2600 |
| APR | | | | | | | | | | |
| 06... | 1115 | 466 | 7.60 | 19.5 | 40 | 55 | 9.9 | -- | 1.9 | 1400 |
| 28... | 1130 | 491 | 7.72 | 21.0 | 20 | 60 | 10.2 | 22 | 2.7 | 370 |
| MAY | | | | | | | | | | |
| 26... | 0800 | 1140 | 8.00 | 22.5 | 5 | 16 | 8.3 | 37 | -- | K70 |
| JUN | | | | | | | | | | |
| 16... | 0830 | 1070 | 8.20 | 27.5 | 5 | 10 | 7.3 | <10 | 2.1 | K6 |
| JUL | | | | | | | | | | |
| 14... | 0830 | 1170 | 8.20 | 29.0 | 10 | 6.0 | 8.4 | 38 | 4.4 | 230 |
| AUG | | | | | | | | | | |
| 04... | 1400 | 1240 | 7.70 | 30.5 | 15 | 6.0 | 7.7 | 20 | 4.7 | <4 |
| SEP | | | | | | | | | | |
| 08... | 0830 | 566 | 7.96 | 24.0 | 15 | 17 | 9.0 | 14 | -- | 1600 |

| DATE | COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) | STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) | HARD-NESS TOTAL (MG/L AS CACO3) | CALCIUM DIS-SOLVED (MG/L AS CA) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) | SODIUM, DIS-SOLVED (MG/L AS NA) | POTAS-SIUM, DIS-SOLVED (MG/L AS K) | ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DIS-SOLVED (MG/L AS SO4) | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 28... | 100 | 300 | 260 | 65 | 24 | 120 | 5.2 | 161 | 100 | 180 |
| NOV | | | | | | | | | | |
| 20... | -- | 780 | 130 | 34 | 10 | 45 | 3.7 | 87 | 51 | 62 |
| DEC | | | | | | | | | | |
| 11... | 54 | 370 | 76 | 23 | 4.6 | 19 | 3.2 | 59 | 31 | 20 |
| JAN 1988 | | | | | | | | | | |
| 13... | K27 | 100 | 120 | 33 | 8.5 | 40 | 2.8 | 56 | 59 | 59 |
| FEB | | | | | | | | | | |
| 03... | 58 | 190 | 160 | 45 | 12 | 57 | 3.6 | 82 | 78 | 89 |
| APR | | | | | | | | | | |
| 06... | 170 | 170 | 130 | 36 | 9.5 | 40 | 3.2 | 88 | 55 | 58 |
| 28... | K28 | 86 | 140 | 38 | 10 | 45 | 2.8 | 82 | 62 | 60 |
| MAY | | | | | | | | | | |
| 26... | <2 | 92 | 320 | 85 | 26 | 120 | 4.9 | 194 | 150 | 150 |
| JUN | | | | | | | | | | |
| 16... | K4 | 27 | 270 | 67 | 24 | 100 | 4.9 | 235 | 130 | 130 |
| JUL | | | | | | | | | | |
| 14... | K280 | 280 | 270 | 67 | 26 | 120 | 5.1 | 224 | 160 | 160 |
| AUG | | | | | | | | | | |
| 04... | <2 | K170 | 320 | 83 | 27 | 130 | 5.5 | 188 | 170 | 170 |
| SEP | | | | | | | | | | |
| 08... | K16 | K40 | 160 | 40 | 14 | 60 | 3.1 | 88 | 65 | 73 |

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal colony count).

## 07344410 RED RIVER ABOVE SHREVEPORT, LA--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) | RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) | NITRO-GEN, NITRITE TOTAL (MG/L AS N) | NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) | NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) | NITRO-GEN, TOTAL (MG/L AS N) | PHOS-PHOROUS TOTAL (MG/L AS P) | PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) | CARBON, ORGANIC TOTAL (MG/L AS C) |
|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | |
| 28... | 690 | 65 | 0.01 | <0.02 | 1.0 | -- | 0.12 | 0.05 | 6.2 |
| NOV | | | | | | | | | |
| 20... | 278 | 642 | 0.05 | 0.28 | 1.7 | 2.0 | 0.54 | 0.13 | 14 |
| DEC | | | | | | | | | |
| 11... | 158 | 151 | 0.02 | 0.17 | 0.77 | 0.94 | 0.24 | 0.11 | 11 |
| JAN 1988 | | | | | | | | | |
| 13... | 251 | 346 | 0.02 | 0.16 | 0.64 | 0.80 | 0.18 | 0.06 | 9.4 |
| FEB | | | | | | | | | |
| 03... | 306 | 101 | 0.02 | 0.20 | 0.47 | 0.67 | 0.19 | 0.07 | 7.6 |
| APR | | | | | | | | | |
| 06... | 248 | 358 | 0.06 | 0.17 | 0.82 | 0.99 | 0.25 | -- | 11 |
| 28... | 270 | 65 | 0.01 | 0.05 | 0.67 | 0.72 | 0.15 | 0.05 | 6.6 |
| MAY | | | | | | | | | |
| 26... | 656 | 25 | <0.01 | <0.02 | 0.55 | -- | 0.09 | 0.02 | 7.1 |
| JUN | | | | | | | | | |
| 16... | 627 | 11 | <0.01 | <0.02 | 0.64 | -- | 0.08 | 0.02 | 6.0 |
| JUL | | | | | | | | | |
| 14... | 677 | 19 | <0.01 | <0.02 | 0.75 | -- | 0.08 | 0.02 | 7.2 |
| AUG | | | | | | | | | |
| 04... | 715 | 16 | <0.01 | <0.02 | 1.2 | -- | 0.11 | 0.02 | 9.4 |
| SEP | | | | | | | | | |
| 08... | 324 | 48 | 0.01 | <0.02 | 0.99 | -- | 0.14 | 0.04 | 7.9 |

| DATE | ARSENIC TOTAL (UG/L AS AS) | BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE) | CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) | CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) | IRON, TOTAL RECOV-ERABLE (UG/L AS FE) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) | MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) |
|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | |
| 28... | 2 | <10 | <1 | <10 | 4 | 640 | <5 | 120 |
| JAN 1988 | | | | | | | | |
| 13... | 1 | <10 | 1 | <10 | 9 | 3700 | 7 | 110 |
| APR | | | | | | | | |
| 28... | 1 | <10 | <1 | <10 | 6 | 2700 | <5 | 140 |
| JUL | | | | | | | | |
| 14... | 2 | <10 | <1 | <10 | 4 | 410 | <5 | 190 |

| DATE | MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) | NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) | SELE-NIUM, TOTAL (UG/L AS SE) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) | CYANIDE TOTAL (MG/L AS CN) | PHENOLS TOTAL (UG/L) | OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L) |
|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | |
| 28... | <0.1 | 4 | <1 | 10 | -- | 3 | 2 |
| JAN 1988 | | | | | | | |
| 13... | <0.1 | 5 | <1 | 30 | <0.01 | 6 | 2 |
| APR | | | | | | | |
| 28... | 0.3 | 2 | <1 | 10 | <0.01 | 4 | 2 |
| JUL | | | | | | | |
| 14... | 0.4 | 3 | <1 | 10 | <0.01 | 5 | <1 |

< Actual value is known to be less than the value shown.

## 07344410 RED RIVER ABOVE SHREVEPORT, LA--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | PCB, TOTAL (UG/L) | NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) | ALDRIN, TOTAL (UG/L) | CHLORDANE, TOTAL (UG/L) | DDD, TOTAL (UG/L) | DDE, TOTAL (UG/L) | DDT, TOTAL (UG/L) | DIAZINON, TOTAL (UG/L) | DIELDRIN TOTAL (UG/L) | ENDOSULFAN, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987<br>28... | <0.1 | <1.0 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| DEC<br>11... | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| FEB<br>03... | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| APR<br>28... | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| JUN<br>16... | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| AUG<br>04... | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |

| DATE | ENDRIN, TOTAL (UG/L) | ETHION, TOTAL (UG/L) | HEPTACHLOR, TOTAL (UG/L) | HEPTACHLOR EPOXIDE TOTAL (UG/L) | LINDANE TOTAL (UG/L) | MALATHION, TOTAL (UG/L) | METHOXYCHLOR, TOTAL (UG/L) | METHYL PARATHION, TOTAL (UG/L) | METHYL TRITHION, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|
| OCT 1987<br>28... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| DEC<br>11... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| FEB 1988<br>03... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| APR<br>28... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| JUN<br>16... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| AUG<br>04... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |

| DATE | MIREX, TOTAL (UG/L) | PARATHION, TOTAL (UG/L) | PERTHANE TOTAL (UG/L) | TOXAPHENE, TOTAL (UG/L) | TOTAL TRITHION (UG/L) | 2,4-D, TOTAL (UG/L) | 2, 4-DP TOTAL (UG/L) | 2,4,5-T TOTAL (UG/L) | SILVEX, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|
| OCT 1987<br>28... | <0.01 | <0.01 | <0.01 | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 |
| DEC<br>11... | <0.01 | <0.01 | <0.01 | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 |
| FEB 1988<br>03... | <0.01 | <0.01 | <0.01 | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 |
| APR<br>28... | <0.01 | <0.01 | <0.01 | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 |
| JUN<br>16... | <0.01 | <0.01 | <0.01 | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 |
| AUG<br>04... | <0.01 | <0.01 | <0.01 | <0.5 | <0.01 | <0.1 | 0.2 | <0.1 | <0.1 |

< Actual value is known to be less than the value shown.

## 07348000 TWELVEMILE BAYOU NEAR DIXIE, LA
(National stream-quality accounting network station)

LOCATION.--Lat 32°38'45", long 93°52'40", in NW 1/4 NW 1/4 sec.14, T.19 N., R.15 W., Caddo Parish, Hydrologic Unit 11140304, near right bank on downstream side of pier of bridge on State Highway 173, 0.1 mi downstream from Cottonwood Bayou, 4.2 mi southwest of Dixie, 5.5 mi downstream from Caddo Lake, and 17.3 mi upstream from mouth.

DRAINAGE AREA.--3,137 $mi^2$.

### WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1942 to current year.

REVISED RECORDS.--WSP 1211: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 136.12 ft above National Geodetic Vertical Datum of 1929. Prior to Sept. 5, 1947, nonrecording gage and Sept. 5, 1947, to June 26, 1978, water-stage recorder at present site. Oct. 1, 1950, to June 26, 1978, at datum 3.88 ft higher and prior to Oct. 1, 1950, at datum 5.88 ft higher.

Nonrecording gage for Twelvemile Bayou near Mooringsport (station 07347950) used as supplementary gage June 27, 1978, to May 7, 1981. Datum of supplementary gage, 140.00 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

Water-stage recorder for Twelvemile Bayou below Dixie (station 07348010) used as auxiliary gage for this station. Prior to May 7, 1981, nonrecording gage for Red River at Shreveport (station 07348500) used as auxiliary gage.

REMARKS.--Estimated daily discharges. Records good, except those for indefinite stage-discharge relationship, May 18 to June 29, and July 6-24, which are fair. Flow regulated by three reservoirs (combined usable capacity, 1,033,700 acre-ft of which 587,0200 acre-ft is available for storage) since August 1957. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--46 years, 2,513 $ft^3/s$, 1,821,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 38,400 $ft^3/s$ May 5, 1958; maximum daily reverse flow, 50 $ft^3/s$ Aug. 5, 1975 (backwater from Red River); maximum gage height, 41.53 ft Apr. 5, 1945, and May 5, 1958, present datum; minimum discharge (unaffected by backwater), 0.08 $ft^3/s$ Aug. 24, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 26,700 $ft^3/s$ Jan. 1, gage height, 37.11 ft; minimum daily, 2.3 $ft^3/s$ Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14 | 23 | 3510 | 26600 | 4830 | 5860 | 6040 | 901 | e21 | 13 | 12 | 12 |
| 2 | 12 | 19 | 3400 | 26200 | 4950 | 5450 | 7530 | 786 | e20 | 13 | 12 | 12 |
| 3 | 9.9 | 16 | 3460 | 25200 | 4860 | 5790 | 7750 | 793 | e19 | 17 | 11 | 16 |
| 4 | 10 | 15 | 3410 | 23900 | 4810 | 5720 | 7240 | 755 | e18 | 18 | 9.7 | 15 |
| 5 | 11 | 14 | 3270 | 22300 | 4580 | 5380 | 6740 | 581 | e19 | 20 | 9.2 | 14 |
| 6 | 8.7 | 15 | 3700 | 20800 | 4520 | 5430 | 6450 | 505 | e20 | e19 | 8.8 | 15 |
| 7 | 7.7 | 17 | 6070 | 19400 | 4480 | 5290 | 5780 | 450 | e18 | e18 | 10 | 14 |
| 8 | 10 | 18 | 6420 | 1[illegible]00 | 4440 | 5340 | 5330 | 392 | e17 | e19 | 11 | 14 |
| 9 | 12 | 46 | 6370 | 16100 | 4420 | 5800 | 5050 | 397 | e16 | e20 | 10 | 12 |
| 10 | 11 | 122 | 6220 | 14100 | 4380 | 5730 | 5080 | 347 | e15 | e19 | 8.2 | 10 |
| 11 | 8.6 | 79 | 6250 | 12400 | 4720 | 5780 | 5040 | 334 | e14 | e18 | 33 | 21 |
| 12 | 7.8 | 77 | 6430 | 10700 | 4480 | 6480 | 4670 | 371 | e15 | e17 | 25 | 21 |
| 13 | 9.3 | 68 | 6330 | 9380 | 4370 | 6860 | 4370 | 300 | e16 | e16 | 20 | 14 |
| 14 | 11 | 136 | 6590 | 8240 | 4500 | 6920 | 4130 | 272 | e15 | e15 | 16 | 13 |
| 15 | 11 | 287 | 6820 | 7430 | 4660 | 6880 | 3770 | 230 | e14 | e14 | 13 | 12 |
| 16 | 12 | 5900 | 6010 | 6710 | 4390 | 6800 | 3150 | 189 | e13 | e13 | 14 | 11 |
| 17 | 11 | 7200 | 5450 | 6820 | 4370 | 6700 | 2800 | 148 | e12 | e12 | 13 | 11 |
| 18 | 14 | 5350 | 5050 | 6810 | e5000 | e7000 | 2810 | e60 | e13 | e11 | 13 | 12 |
| 19 | 21 | 3580 | 4870 | 6840 | e700 | e6800 | 2550 | e50 | e15 | e10 | 15 | 11 |
| 20 | 14 | 2640 | 5250 | 6680 | e10000 | e6700 | 2190 | e45 | e14 | e10 | 15 | 9.0 |
| 21 | 13 | 2210 | 5220 | 6240 | e9800 | e6600 | 1970 | e40 | e13 | e9.5 | 17 | 7.6 |
| 22 | 14 | 2040 | 5270 | 5980 | e9600 | e6500 | 1770 | e35 | e14 | e9.0 | 20 | 6.6 |
| 23 | 14 | 2070 | 5060 | 5750 | e9400 | 6350 | 1590 | e35 | e14 | e8.4 | 18 | 6.4 |
| 24 | 31 | 2080 | 5070 | 5620 | e9200 | 6200 | 1350 | e32 | e14 | e8.0 | 18 | 5.0 |
| 25 | 41 | 3210 | 5700 | 5650 | e8800 | 6580 | 1350 | e30 | e13 | 8.7 | 20 | 4.0 |
| 26 | 87 | 4330 | 9360 | 5190 | e8400 | 6840 | 1280 | e28 | e12 | 12 | 21 | 3.2 |
| 27 | 95 | 4210 | 15300 | 5020 | 8040 | 6530 | 1140 | e26 | e11 | 18 | 21 | 3.1 |
| 28 | 67 | 4090 | 19300 | 4930 | 7210 | 6250 | 1020 | e25 | e10 | 16 | 18 | 4.4 |
| 29 | 56 | 3730 | 22200 | 4800 | 6530 | 6220 | 902 | e24 | e10 | 13 | 13 | 3.4 |
| 30 | 43 | 3590 | 24500 | 4730 | --- | 6420 | 921 | e23 | 11 | 13 | 13 | 2.3 |
| 31 | 32 | --- | 26000 | 4790 | --- | 6210 | --- | e22 | --- | 11 | 12 | --- |
| TOTAL | 719.0 | 57182 | 247860 | 353210 | 170440 | 193410 | 111763 | 8226 | 446 | 438.6 | 469.9 | 315.0 |
| MEAN | 23.2 | 1906 | 7995 | 11390 | 5877 | 6239 | 3725 | 265 | 14.9 | 14.1 | 15.2 | 10.5 |
| MAX | 95 | 7200 | 26000 | 26600 | 10000 | 7000 | 7750 | 901 | 21 | 20 | 33 | 21 |
| MIN | 7.7 | 14 | 3270 | 4730 | 700 | 5290 | 902 | 22 | 10 | 8.0 | 8.2 | 2.3 |
| AC-FT | 1430 | 113400 | 491600 | 700600 | 338100 | 383600 | 221700 | 16320 | 885 | 870 | 932 | 625 |

CAL YR 1987 TOTAL 926681.5 MEAN 2539 MAX 26000 MIN 5.7 AC-FT 1838000
WTR YR 1988 TOTAL 1144479.5 MEAN 3127 MAX 26600 MIN 2.3 AC-FT 2270000

e Estimated.

## 07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.68 | 4.74 | 15.06 | 37.04 | 16.85 | 18.09 | 18.17 | 8.05 | 3.96 | 4.57 | 4.57 | 4.57 |
| 2 | 4.67 | 4.71 | 14.59 | 36.79 | 16.92 | 17.39 | 20.88 | 7.65 | 4.16 | 4.57 | 4.57 | 4.57 |
| 3 | 4.65 | 4.69 | 14.29 | 36.30 | 16.76 | 17.88 | 20.97 | 7.65 | 4.35 | 4.60 | 4.56 | 4.59 |
| 4 | 4.65 | 4.69 | 14.01 | 35.67 | 16.67 | 17.71 | 20.11 | 7.54 | 4.53 | 4.60 | 4.55 | 4.59 |
| 5 | 4.66 | 4.68 | 13.80 | 34.91 | 16.36 | 17.14 | 19.36 | 6.90 | 4.59 | 4.62 | 4.55 | 4.58 |
| 6 | 4.64 | 4.69 | 14.51 | 34.07 | 16.37 | 17.23 | 19.10 | 6.60 | 4.61 | 4.58 | 4.54 | 4.59 |
| 7 | 4.63 | 4.70 | 18.46 | 33.34 | 16.51 | 17.42 | 18.44 | 6.39 | 4.49 | 4.28 | 4.55 | 4.58 |
| 8 | 4.66 | 4.70 | 19.11 | 32.51 | 16.54 | 18.01 | 17.99 | 6.20 | 4.02 | 3.97 | 4.56 | 4.58 |
| 9 | 4.67 | 4.85 | 19.02 | 31.38 | 16.40 | 18.76 | 17.85 | 6.22 | 4.12 | 3.74 | 4.55 | 4.57 |
| 10 | 4.66 | 5.21 | 18.69 | 29.95 | 16.10 | 18.64 | 18.00 | 6.05 | 4.20 | 3.61 | 4.54 | 4.56 |
| 11 | 4.64 | 5.00 | 18.60 | 28.32 | 16.42 | 18.61 | 17.95 | 6.01 | 4.13 | 3.46 | 4.69 | 4.63 |
| 12 | 4.63 | 4.99 | 18.91 | 26.29 | 16.06 | 19.39 | 17.36 | 6.13 | 4.27 | 3.46 | 4.65 | 4.62 |
| 13 | 4.65 | 4.95 | 18.82 | 24.63 | 15.80 | 19.87 | 16.76 | 5.88 | 4.40 | 3.63 | 4.62 | 4.59 |
| 14 | 4.66 | 5.26 | 19.09 | 23.11 | 15.84 | 20.06 | 16.16 | 5.77 | 4.51 | 3.76 | 4.59 | 4.58 |
| 15 | 4.66 | 5.94 | 19.50 | 21.91 | 16.05 | 19.95 | 15.25 | 5.59 | 4.47 | 3.88 | 4.58 | 4.58 |
| 16 | 4.67 | 17.42 | 18.39 | 20.94 | 15.53 | 19.76 | 13.98 | 5.41 | 4.10 | 3.99 | 4.58 | 4.58 |
| 17 | 4.66 | 20.99 | 17.80 | 21.11 | 15.41 | 19.48 | 13.02 | 5.23 | 3.78 | 4.08 | 4.57 | 4.58 |
| 18 | 4.68 | 18.67 | 17.24 | 21.18 | --- | --- | 12.80 | 4.99 | --- | 4.17 | 4.58 | 4.59 |
| 19 | 4.72 | 16.02 | 17.23 | 21.17 | --- | --- | 12.32 | 4.79 | --- | 4.25 | 4.59 | 4.59 |
| 20 | 4.68 | 15.09 | 17.90 | 20.92 | --- | --- | 11.53 | 4.70 | --- | 4.31 | 4.59 | 4.57 |
| 21 | 4.68 | 13.95 | 17.76 | 20.20 | --- | --- | 11.08 | 4.59 | --- | 4.37 | 4.60 | 4.57 |
| 22 | 4.68 | 13.13 | 17.75 | 19.66 | --- | --- | 10.94 | 4.88 | 3.69 | 4.42 | 4.62 | 4.56 |
| 23 | 4.68 | 12.62 | 17.95 | 19.27 | --- | 18.86 | 11.34 | 5.12 | 3.85 | 4.49 | 4.60 | 4.56 |
| 24 | 4.78 | 12.30 | 18.34 | 19.06 | --- | 18.67 | 11.16 | 4.77 | 3.95 | 4.51 | 4.61 | 4.55 |
| 25 | 4.83 | 14.42 | 19.24 | 19.05 | --- | 19.24 | 10.70 | 4.35 | 4.06 | 4.54 | 4.62 | 4.54 |
| 26 | 5.04 | 16.54 | 24.40 | 18.44 | --- | 19.52 | 9.99 | 3.85 | 4.18 | 4.57 | 4.63 | 4.54 |
| 27 | 5.07 | 16.30 | 31.06 | 18.05 | 21.55 | 18.98 | 9.18 | 3.62 | 4.29 | 4.60 | 4.63 | 4.54 |
| 28 | 4.95 | 16.05 | 33.66 | 17.85 | 20.26 | 18.52 | 8.54 | 3.48 | 4.40 | 4.59 | 4.60 | 4.55 |
| 29 | 4.90 | 15.25 | 35.25 | 17.65 | 19.17 | 18.52 | 8.12 | 3.44 | 4.49 | 4.58 | 4.58 | 4.54 |
| 30 | 4.84 | 15.14 | 36.34 | 17.30 | --- | 18.82 | 8.16 | 3.56 | 4.56 | 4.57 | 4.57 | 4.53 |
| 31 | 4.79 | --- | 36.94 | 17.02 | --- | 18.39 | --- | 3.75 | --- | 4.56 | 4.57 | --- |
| MAX | 5.07 | 20.99 | 36.94 | 37.04 | --- | 20.06 | 20.97 | 8.05 | 4.61 | 4.62 | 4.69 | 4.63 |
| MIN | 4.63 | 4.68 | 13.80 | 17.02 | --- | 17.14 | 8.12 | 3.44 | --- | 3.46 | 4.54 | 4.53 |

## 07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944, 1953-55, 1958-60, 1969-70, 1978 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: April 1978 to September 1981.
WATER TEMPERATURES: April 1978 to September 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 3,970 micromhos Oct. 20, 1980; minimum daily, 76 micromhos Feb. 12, 1980.
WATER TEMPERATURES: Maximum daily, 36.0°C June 27, 1978; minimum daily, 4.0°C Jan. 14, Feb. 7, 1979.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--A water temperature of 1.5°C was observed Jan. 19, 1984.

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | DIS-CHARGE, IN CUBIC FEET PER SECOND | SPE-CIFIC CON-DUCT-ANCE (US/CM) | PH (STAND-ARD UNITS) | TEMPER-ATURE WATER (DEG C) | COLOR (PLAT-INUM-COBALT UNITS) | TUR-BID-ITY (NTU) | OXYGEN, DIS-SOLVED (MG/L) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) | STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987<br>29... | 0900 | 56 | 968 | 7.30 | 17.0 | 20 | 24 | 7.3 | 1.6 | 58 | 570 |
| JAN 1988<br>13... | 0900 | 9380 | 78 | 6.57 | 3.0 | 100 | 20 | 10.2 | 2.4 | K6 | 56 |
| APR<br>28... | 1030 | 1020 | 192 | 7.22 | 21.5 | 50 | 5.2 | 9.5 | 2.5 | K4 | 360 |
| JUL<br>14... | 1030 | 15 | 1760 | 8.11 | 28.0 | 5 | 4.8 | 8.1 | 2.8 | 600 | K1100 |

| DATE | HARD-NESS TOTAL (MG/L AS CACO3) | CALCIUM DIS-SOLVED (MG/L AS CA) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) | SODIUM, DIS-SOLVED (MG/L AS NA) | POTAS-SIUM, DIS-SOLVED (MG/L AS K) | ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DIS-SOLVED (MG/L AS SO4) | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) | FLUO-RIDE, DIS-SOLVED (MG/L AS F) | SILICA, DIS-SOLVED (MG/L AS SIO2) | SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987<br>29... | 250 | 54 | 27 | 96 | 4.4 | 163 | 48 | 170 | 0.2 | 8.0 | 510 |
| JAN 1988<br>13... | 16 | 3.7 | 1.7 | 6.6 | 2.5 | 11 | 8.9 | 9.7 | 0.1 | 7.0 | 57 |
| APR<br>28... | 40 | 9.3 | 4.1 | 18 | 2.4 | 25 | 21 | 28 | 0.2 | 5.0 | 116 |
| JUL<br>14... | 470 | 88 | 61 | 180 | 2.7 | 301 | 120 | 340 | 0.4 | 13 | 983 |

| DATE | SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) | NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) | NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) | NITRO-GEN, AMMONIA TOTAL (MG/L AS N) | NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) | NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) | PHOS-PHOROUS TOTAL (MG/L AS P) | PHOS-PHOROUS DIS-SOLVED (MG/L AS P) | PHOS-PHOROUS ORTHO, DIS-SOLVED (MG/L AS P) | ALUM-INUM, DIS-SOLVED (UG/L AS AL) | ARSENIC DIS-SOLVED (UG/L AS AS) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987<br>29... | 513 | 0.03 | 2.3 | 0.06 | 0.03 | 0.5 | 0.17 | 0.14 | 0.11 | <10 | 5 |
| JAN 1988<br>13... | 46 | <0.01 | <0.10 | 0.04 | 0.06 | 0.5 | 0.06 | <0.01 | <0.01 | 50 | <1 |
| APR<br>28... | 104 | <0.01 | <0.10 | 0.03 | 0.05 | 0.6 | 0.03 | 0.03 | <0.01 | 20 | <1 |
| JUL<br>14... | 987 | <0.01 | <0.10 | <0.01 | <0.01 | 0.5 | 0.04 | 0.01 | <0.01 | <10 | 2 |

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal colony count).

## 07348000 TWELVEMILE BAYOU NEAR DIXIE, LA--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | BARIUM, DIS-SOLVED (UG/L AS BA) | BERYL-LIUM, DIS-SOLVED (UG/L AS BE) | CADMIUM DIS-SOLVED (UG/L AS CD) | CHRO-MIUM, DIS-SOLVED (UG/L AS CR) | COBALT, DIS-SOLVED (UG/L AS CO) | COPPER, DIS-SOLVED (UG/L AS CU) | IRON, DIS-SOLVED (UG/L AS FE) | LEAD, DIS-SOLVED (UG/L AS PB) | LITHIUM DIS-SOLVED (UG/L AS LI) | MANGA-NESE, DIS-SOLVED (UG/L AS MN) | MERCURY DIS-SOLVED (UG/L AS HG) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987<br>29... | 190 | <0.5 | <1 | <1 | <3 | 2 | 13 | <5 | 19 | 110 | <0.1 |
| JAN 1988<br>13... | 30 | <0.5 | <1 | <1 | <3 | 3 | 170 | <5 | <4 | 49 | <0.1 |
| APR<br>28... | 60 | <0.5 | <1 | <1 | <3 | 3 | 730 | <5 | 9 | 36 | <0.1 |
| JUL<br>14... | 350 | <0.5 | <1 | <1 | <3 | 2 | <3 | <5 | 26 | 160 | <0.1 |

| DATE | MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) | NICKEL, DIS-SOLVED (UG/L AS NI) | SELE-NIUM, DIS-SOLVED (UG/L AS SE) | SILVER, DIS-SOLVED (UG/L AS AG) | STRON-TIUM, DIS-SOLVED (UG/L AS SR) | VANA-DIUM, DIS-SOLVED (UG/L AS V) | ZINC, DIS-SOLVED (UG/L AS ZN) | SEDI-MENT, SUS-PENDED (MG/L) | SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987<br>29... | <10 | 5 | <1 | <1 | 630 | <6 | 7 | 16 | 2.4 | 100 |
| JAN 1988<br>13... | <10 | 3 | <1 | <1 | 57 | <6 | 6 | 36 | 912 | 75 |
| APR<br>28... | <10 | <1 | <1 | <1 | 160 | <6 | 6 | 22 | 61 | 95 |
| JUL<br>14... | <10 | <1 | <1 | <1 | 1400 | <6 | 4 | 30 | 1.2 | 99 |

< Actual value is known to be less than the value shown.

## 07348700 BAYOU DORCHEAT NEAR SPRINGHILL, LA

LOCATION.--Lat 32°59'40", long 93°23'47", in NE 1/4 NE 1/4 sec.16, T.23 N., R.10 W., Webster Parish, Hydrologic Unit 11140203, near left bank on downstream side of bridge on State highway 157, 0.4 mi downstream from Crooked Creek, 1.7 mi downstream from Arkansas-Louisiana State line, and 4.2 mi southeast of intersection of State Highways 7 and 157 at Springhill.

DRAINAGE AREA.--605 mi².

PERIOD OF RECORD.--October 1957 to current year.

REVISED RECORDS.--WDR LA-75-1: 1974, WRD LA-85-1: 1985 (P).

GAGE.--Water-stage recorder. Datum of gage is 173.91 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges. Indefinite stage discharge relationship, May 11-16, and May 22 to June 7. Records good above 200 ft³/s and fair below. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--31 years, 549 ft³/s, 12.33 in/yr, 397,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 36,400 ft³/s Apr. 28, 1958, gage height, 22.79 ft; no flow Oct. 10-14, 1957.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 3,000 ft³/s and maximum (*):

| Date | Time | Discharge (ft³/s) | Gage height (ft) | Date | Time | Discharge (ft³/s) | Gage height (ft) |
|---|---|---|---|---|---|---|---|
| Dec. 30 | ---- | *11,900 | a *16.38 | No other peak greater than the base discharge. | | | |

a From floodmark.

Minimum discharge, 1.2 ft³/s Oct. 15, 16-17, July 2, 3; minimum gage height, 3.58 ft July, 2, 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.5 | 3.2 | 1050 | e8000 | 339 | 420 | 843 | 77 | e4.5 | 1.4 | 2.0 | 1.9 |
| 2 | 1.5 | 3.8 | 1010 | e5000 | 346 | 371 | 1370 | 61 | e4.0 | 1.3 | 1.8 | 1.8 |
| 3 | 1.4 | 4.1 | 893 | e4000 | 402 | 370 | 1930 | 51 | e4.0 | 1.4 | 1.7 | 2.1 |
| 4 | 1.3 | 4.4 | 712 | e3000 | 427 | 354 | 2080 | 42 | e4.5 | 2.5 | 1.7 | 2.7 |
| 5 | 1.3 | 4.6 | 506 | e2000 | 447 | 386 | 2320 | 36 | e8.0 | 2.5 | 1.7 | 2.7 |
| 6 | 1.3 | 4.6 | 340 | 1670 | 450 | 434 | 2450 | 31 | e7.0 | 2.1 | 1.7 | 2.6 |
| 7 | 1.3 | 4.8 | 272 | 1510 | 433 | 453 | 2340 | 28 | e6.5 | 2.9 | 2.3 | 2.5 |
| 8 | 1.3 | 5.4 | 241 | 1290 | 405 | 549 | 1980 | 26 | 5.7 | 5.8 | 2.4 | 2.6 |
| 9 | 1.4 | 8.8 | 249 | 1110 | 371 | 742 | 1600 | 26 | 4.9 | 4.9 | 2.3 | 2.6 |
| 10 | 1.4 | 16 | 297 | 928 | 335 | 841 | 1240 | 26 | 4.1 | 3.7 | 2.1 | 2.5 |
| 11 | 1.4 | 8.1 | e400 | 776 | 311 | 1010 | 906 | e30 | 3.5 | 3.3 | 2.2 | 3.0 |
| 12 | 1.4 | 4.7 | e390 | 682 | 301 | 1230 | 586 | e35 | 3.1 | 2.9 | 2.5 | 3.4 |
| 13 | 1.4 | 3.7 | e390 | 677 | 301 | 1420 | 421 | e30 | 2.8 | 2.5 | 2.7 | 2.9 |
| 14 | 1.3 | 3.1 | e370 | 680 | 329 | 1380 | 358 | e25 | 2.5 | 2.1 | 2.9 | 3.0 |
| 15 | 1.3 | 4.5 | e350 | 723 | 384 | 1220 | 333 | e20 | 2.3 | 1.9 | 3.0 | 3.4 |
| 16 | 1.2 | 1340 | e330 | 835 | 434 | 1040 | 315 | e19 | 2.0 | 1.7 | 2.9 | 3.2 |
| 17 | 1.2 | 2030 | e320 | 1150 | 479 | 807 | 296 | 18 | 1.8 | 1.6 | 2.8 | 3.0 |
| 18 | 1.9 | 1690 | e310 | 1510 | 760 | 625 | 314 | 15 | 1.7 | 1.7 | 2.6 | 2.7 |
| 19 | 10 | 1730 | e300 | 2000 | 1310 | 524 | 359 | 13 | 1.8 | 1.6 | 2.4 | 2.1 |
| 20 | 4.7 | 1980 | e300 | 2500 | 1640 | 499 | 506 | 10 | 1.7 | 1.5 | 2.3 | 1.9 |
| 21 | 2.2 | 1950 | e350 | 2740 | 1950 | 514 | 681 | 8.8 | 1.6 | 1.6 | 2.5 | 2.1 |
| 22 | 1.8 | 1720 | e400 | 2660 | 2270 | 517 | 802 | e8.0 | 1.6 | 1.6 | 5.6 | 2.1 |
| 23 | 2.0 | 1510 | e450 | 2350 | 2260 | 491 | 777 | e7.0 | 1.6 | 1.7 | 4.2 | 2.1 |
| 24 | 3.0 | 1280 | e500 | 1960 | 2000 | 449 | 644 | e8.0 | 1.7 | 1.7 | 3.4 | 2.0 |
| 25 | 6.5 | 1240 | e600 | 1600 | 1670 | 444 | 495 | e7.0 | 1.6 | 1.6 | 3.3 | 1.8 |
| 26 | 11 | 1200 | e1000 | 1250 | 1350 | 528 | 355 | e6.5 | 1.7 | 1.6 | 3.1 | 1.7 |
| 27 | 8.2 | 1050 | e6500 | 942 | 1060 | 629 | 237 | e6.0 | 1.8 | 2.0 | 2.7 | 1.6 |
| 28 | 2.8 | 984 | e9000 | 669 | 762 | 725 | 166 | e5.5 | 1.8 | 2.9 | 2.5 | 1.4 |
| 29 | 2.3 | 989 | e10000 | 499 | 533 | 827 | 124 | e5.0 | 1.6 | 2.6 | 2.5 | 1.4 |
| 30 | 2.4 | 1030 | e11800 | 413 | --- | 877 | 98 | e5.0 | 1.5 | 2.3 | 2.5 | 1.9 |
| 31 | 2.8 | --- | e10000 | 368 | --- | 848 | --- | e4.5 | --- | 2.1 | 2.2 | --- |
| TOTAL | 84.5 | 21806.8 | 59630 | 55492 | 24059 | 21524 | 26926 | 690.3 | 92.9 | 71.0 | 80.5 | 70.7 |
| MEAN | 2.73 | 727 | 1924 | 1790 | 830 | 694 | 898 | 22.3 | 3.10 | 2.29 | 2.60 | 2.36 |
| MAX | 11 | 2030 | 11800 | 8000 | 2270 | 1420 | 2450 | 77 | 8.0 | 5.8 | 5.6 | 3.4 |
| MIN | 1.2 | 3.1 | 241 | 368 | 301 | 354 | 98 | 4.5 | 1.5 | 1.3 | 1.7 | 1.4 |
| AC-FT | 168 | 43250 | 118300 | 110100 | 47720 | 42690 | 53410 | 1370 | 184 | 141 | 160 | 140 |
| CFSM | .00 | 1.20 | 3.18 | 2.96 | 1.37 | 1.15 | 1.48 | .04 | .01 | .00 | .00 | .00 |
| IN. | .01 | 1.34 | 3.67 | 3.41 | 1.48 | 1.32 | 1.66 | .04 | .01 | .00 | .00 | .00 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| CAL YR 1987 | TOTAL 211019.9 | MEAN 578 | MAX 11800 | MIN 1.1 | AC-FT 418600 | CFSM .96 | IN. 12.98 |
| WTR YR 1988 | TOTAL 210527.7 | MEAN 575 | MAX 11800 | MIN 1.2 | AC-FT 417600 | CFSM .95 | IN. 12.94 |

e Estimated.

## 07348700 BAYOU DORCHEAT NEAR SPRINGHILL, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.40 | 4.59 | 11.42 | --- | 8.53 | 9.10 | 10.88 | 5.75 | 4.28 | 3.60 | 3.96 | 4.20 |
| 2 | 4.40 | 4.63 | 11.32 | --- | 8.58 | 8.76 | 12.03 | 5.50 | 4.21 | 3.59 | 3.94 | 4.19 |
| 3 | 4.38 | 4.65 | 11.02 | --- | 8.98 | 8.76 | 12.74 | 5.31 | 4.28 | 3.61 | 3.93 | 4.23 |
| 4 | 4.37 | 4.67 | 10.47 | --- | 9.14 | 8.64 | 12.89 | 5.15 | 4.36 | 3.80 | 3.94 | 4.32 |
| 5 | 4.37 | 4.68 | 9.61 | --- | 9.27 | 8.87 | 13.10 | 5.00 | 4.39 | 3.81 | 3.94 | 4.34 |
| 6 | 4.37 | 4.69 | 8.53 | 12.46 | 9.28 | 9.19 | 13.20 | 4.89 | 4.25 | 3.76 | 3.96 | 4.33 |
| 7 | 4.37 | 4.70 | 7.99 | 12.28 | 9.18 | 9.31 | 13.11 | 4.80 | 4.15 | 3.85 | 4.06 | 4.32 |
| 8 | 4.36 | 4.73 | 7.71 | 11.95 | 9.00 | 9.78 | 12.79 | 4.76 | 4.06 | 4.11 | 4.08 | 4.34 |
| 9 | 4.38 | 4.86 | 7.78 | 11.57 | 8.76 | 10.58 | 12.38 | 4.77 | 3.99 | 4.06 | 4.07 | 4.35 |
| 10 | 4.39 | 5.07 | 8.19 | 11.12 | 8.50 | 10.87 | 11.85 | 4.76 | 3.93 | 3.97 | 4.06 | 4.35 |
| 11 | 4.39 | 4.84 | --- | 10.68 | 8.31 | 11.33 | 11.05 | 5.25 | 3.87 | 3.94 | 4.08 | 4.41 |
| 12 | 4.39 | 4.69 | --- | 10.38 | 8.23 | 11.85 | 9.99 | 5.70 | 3.83 | 3.91 | 4.14 | 4.46 |
| 13 | 4.38 | 4.62 | --- | 10.36 | 8.23 | 12.16 | 9.10 | 5.52 | 3.79 | 3.86 | 4.18 | 4.42 |
| 14 | 4.37 | 4.58 | --- | 10.37 | 8.45 | 12.10 | 8.67 | 5.18 | 3.76 | 3.82 | 4.22 | 4.43 |
| 15 | 4.36 | 4.65 | --- | 10.52 | 8.85 | 11.83 | 8.48 | 4.90 | 3.72 | 3.79 | 4.24 | 4.47 |
| 16 | 4.35 | 11.02 | --- | 10.86 | 9.19 | 11.41 | 8.34 | 4.71 | 3.68 | 3.77 | 4.25 | 4.46 |
| 17 | 4.34 | 12.83 | --- | 11.66 | 9.46 | 10.77 | 8.19 | 4.55 | 3.65 | 3.76 | 4.24 | 4.46 |
| 18 | 4.43 | 12.48 | --- | 12.27 | 10.56 | 10.18 | 8.33 | 4.47 | 3.64 | 3.79 | 4.21 | 4.43 |
| 19 | 4.91 | 12.53 | --- | 12.81 | 11.98 | 9.72 | 8.67 | 4.40 | 3.64 | 3.78 | 4.19 | 4.35 |
| 20 | 4.69 | 12.79 | --- | 13.24 | 12.43 | 9.58 | 9.61 | 4.29 | 3.63 | 3.77 | 4.18 | 4.34 |
| 21 | 4.50 | 12.76 | --- | 13.41 | 12.76 | 9.67 | 10.38 | 4.23 | 3.62 | 3.79 | 4.20 | 4.37 |
| 22 | 4.45 | 12.52 | --- | 13.35 | 13.06 | 9.68 | 10.76 | 4.24 | 3.61 | 3.81 | 4.46 | 4.29 |
| 23 | 4.47 | 12.27 | --- | 13.12 | 13.05 | 9.53 | 10.68 | 4.24 | 3.61 | 3.83 | 4.39 | 4.39 |
| 24 | 4.57 | 11.95 | --- | 12.77 | 12.81 | 9.28 | 10.25 | 4.28 | 3.62 | 3.84 | 4.32 | 4.37 |
| 25 | 4.78 | 11.87 | --- | 12.36 | 12.46 | 9.25 | 9.55 | 4.20 | 3.63 | 3.84 | 4.31 | 4.36 |
| 26 | 4.91 | 11.77 | --- | 11.88 | 12.05 | 9.74 | 8.64 | 4.19 | 3.64 | 3.84 | 4.30 | 4.36 |
| 27 | 4.83 | 11.43 | --- | 11.15 | 11.45 | 10.20 | 7.66 | 4.54 | 3.66 | 3.92 | 4.27 | 4.33 |
| 28 | 4.56 | 11.27 | --- | 10.33 | 10.63 | 10.52 | 6.94 | 4.67 | 3.67 | 4.04 | 4.25 | 4.31 |
| 29 | 4.50 | 11.28 | --- | 9.58 | 9.76 | 10.83 | 6.41 | 4.62 | 3.64 | 4.02 | 4.25 | 4.32 |
| 30 | 4.52 | 11.39 | --- | 9.05 | --- | 10.98 | 6.03 | 4.53 | 3.62 | 3.99 | 4.26 | 4.40 |
| 31 | 4.56 | --- | --- | 8.74 | --- | 10.90 | --- | 4.40 | --- | 3.97 | 4.23 | --- |
| MAX | 4.91 | 12.83 | --- | --- | 13.06 | 12.16 | 13.20 | 5.75 | 4.39 | 4.11 | 4.46 | 4.47 |
| MIN | 4.34 | 4.58 | 7.71 | 8.74 | 8.23 | 8.64 | 6.03 | 4.19 | 3.61 | 3.59 | 3.93 | 4.19 |

## 07349000 BAYOU DORCHEAT NEAR MINDEN, LA.

LOCATION.--Lat 32°35'55", long 93°19'59", in NE 1/4 NW 1/4 sec.31, T.19 N., R.9 W., Webster Parish, Hydrologic Unit 11140203, on left bank 500 ft upstream from bridge on U.S. Highway 80, 0.7 mi upstream from Louisiana and Arkansas Railway Co. bridge, 3.0 mi west of Minden, and 28 mi upstream from Lake Bistineau dam.

DRAINAGE AREA.--1,097 mi².

PERIOD OF RECORD.--July 1928 to September 1931, October 1936 to September 1979. October 1979 to current year (annual maximum and gage heights only). Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 1211: Drainage area. WSP 1241: 1941.

GAGE.--Water-stage recorder. Datum of gage is 133.75 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Mar. 1, 1940, nonrecording gage at same site and datum. July 29, 1953, to Sept. 30, 1979, supplementary water-stage recorder 4.6 mi upstream from base gage at different datum.

REMARKS.--Gage heights affected by Lake Bistineau.

AVERAGE DISCHARGE.--46 years (water years 1929-31, 1937-79), 1,111 ft³/s, 13.75 in/yr, 804,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 44,800 ft³/s May 1, 1958, gage height, 24.90 ft; no flow at times in 1954, 1956, 1964, 1969, 1972, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 19,400 ft³/s Jan. 1, gage height, 21.62 ft; minimum gage height, 6.02 ft Oct. 18.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.27 | 6.23 | 9.12 | 21.37 | --- | 10.75 | 10.49 | 7.56 | 7.10 | 6.68 | 6.70 | 6.51 |
| 2 | 6.25 | 6.22 | 8.87 | 20.15 | --- | 10.03 | 11.43 | 7.50 | 7.09 | 6.66 | 6.67 | 6.51 |
| 3 | 6.18 | 6.22 | 8.70 | 18.50 | 8.37 | 9.41 | 11.94 | 7.47 | 7.06 | 6.64 | 6.65 | 6.52 |
| 4 | 6.20 | 6.21 | 8.60 | 16.84 | 8.21 | 8.90 | 12.12 | 7.40 | 7.02 | 6.64 | 6.63 | 6.49 |
| 5 | 6.20 | 6.18 | 8.55 | 15.50 | 8.15 | 8.75 | 12.25 | 7.36 | 7.01 | 6.66 | 6.62 | 6.47 |
| 6 | 6.16 | 6.19 | 8.58 | 14.52 | 8.20 | 8.67 | 12.36 | 7.34 | 7.01 | 6.66 | 6.62 | 6.46 |
| 7 | 6.15 | 6.20 | 8.78 | 13.84 | 8.31 | 8.64 | 12.45 | 7.33 | 7.00 | 6.64 | 6.60 | 6.44 |
| 8 | 6.15 | 6.21 | 8.66 | 13.20 | 8.33 | 8.67 | 12.44 | 7.32 | 6.99 | 6.64 | 6.58 | 6.42 |
| 9 | 6.14 | 6.30 | 8.37 | 12.60 | 8.27 | 8.94 | 12.36 | 7.31 | 6.96 | 6.63 | 6.54 | 6.40 |
| 10 | 6.12 | 6.38 | 8.04 | 11.98 | 8.19 | 9.23 | 12.21 | 7.27 | 6.91 | 6.62 | 6.52 | 6.36 |
| 11 | 6.08 | 6.43 | 7.86 | 11.35 | 8.10 | 9.79 | 11.99 | 7.25 | 6.91 | 6.62 | 6.68 | 6.43 |
| 12 | 6.06 | 6.44 | 7.74 | 10.76 | 8.05 | 10.32 | 11.66 | 7.26 | 6.90 | 6.62 | 6.69 | 6.41 |
| 13 | 6.07 | 6.44 | 7.67 | 10.28 | 8.00 | 10.65 | 11.18 | 7.24 | 6.88 | 6.61 | 6.68 | 6.40 |
| 14 | 6.06 | 6.44 | 7.70 | e9.93 | 7.99 | 10.79 | 10.50 | 7.22 | 6.87 | 6.58 | 6.67 | 6.39 |
| 15 | 6.06 | 6.46 | 7.73 | --- | 7.97 | 10.79 | 9.66 | 7.22 | 6.85 | 6.57 | 6.66 | 6.38 |
| 16 | 6.05 | 6.74 | 7.71 | --- | 8.00 | 10.70 | 8.82 | 7.21 | 6.84 | 6.56 | 6.63 | 6.37 |
| 17 | 6.04 | 6.97 | 7.69 | --- | 8.04 | 10.58 | 8.35 | 7.19 | 6.83 | 6.53 | 6.63 | 6.37 |
| 18 | 6.04 | 7.04 | 7.65 | --- | 8.76 | 10.60 | 8.26 | 7.18 | 6.83 | 6.52 | 6.68 | 6.37 |
| 19 | 6.11 | 7.33 | 7.68 | --- | 10.30 | 10.47 | 8.17 | 7.16 | 6.82 | 6.59 | 6.69 | 6.37 |
| 20 | 6.09 | 8.00 | 7.70 | --- | 11.16 | 10.20 | 8.07 | 7.16 | 6.80 | 6.62 | 6.68 | 6.34 |
| 21 | 6.08 | 8.62 | 7.68 | --- | 11.71 | 9.86 | 8.03 | 7.16 | 6.79 | 6.59 | 6.67 | 6.33 |
| 22 | 6.08 | 8.97 | 7.70 | --- | 12.07 | 9.49 | 8.05 | 7.27 | 6.79 | 6.58 | 6.66 | 6.33 |
| 23 | 6.07 | 9.13 | 7.78 | --- | 12.31 | 9.18 | 8.14 | 7.26 | 6.79 | 6.56 | 6.66 | 6.32 |
| 24 | 6.09 | 9.24 | 7.86 | --- | 12.40 | 8.98 | 8.24 | 7.21 | 6.78 | 6.55 | 6.64 | 6.30 |
| 25 | 6.13 | 9.58 | 7.92 | --- | 12.37 | 9.01 | 8.32 | 7.18 | 6.76 | 6.54 | 6.64 | 6.25 |
| 26 | 6.24 | 9.77 | 8.50 | --- | 12.26 | 9.20 | 8.33 | 7.17 | 6.76 | 6.54 | 6.64 | 6.24 |
| 27 | 6.22 | 9.77 | 10.20 | --- | 12.08 | 9.28 | 8.21 | 7.17 | 6.75 | 6.64 | 6.62 | 6.23 |
| 28 | 6.24 | 9.71 | 11.25 | --- | 11.79 | 9.24 | 8.02 | 7.16 | 6.72 | 6.73 | 6.58 | 6.22 |
| 29 | 6.25 | 9.57 | 12.11 | --- | 11.36 | 9.22 | 7.81 | 7.15 | 6.72 | 6.73 | 6.54 | 6.24 |
| 30 | 6.25 | 9.37 | 16.71 | --- | --- | 9.60 | 7.66 | 7.13 | 6.71 | 6.73 | 6.52 | 6.28 |
| 31 | 6.24 | --- | 21.00 | --- | --- | 10.09 | --- | 7.11 | --- | 6.71 | 6.51 | --- |
| MAX | 6.27 | 9.77 | 21.00 | 21.37 | 12.40 | 10.79 | 12.45 | 7.56 | 7.10 | 6.73 | 6.70 | 6.52 |
| MIN | 6.04 | 6.18 | 7.65 | --- | 7.97 | 8.64 | 7.66 | 7.11 | 6.71 | 6.52 | 6.51 | 6.22 |

e Estimated.

## 07349250 LAKE BISTINEAU NEAR RINGGOLD, LA

LOCATION.--Lat 32°19'46", long 93°26'10", in SE 1/4 NW 1/4 sec.31, T.16 N., R.10 W., Bossier Parish, Hydrologic Unit 11140203, 40 ft upstream from spillway near right bank on upstream side of bridge on State Highway 154, 9.0 mi west of Ringgold, and 17.0 mi upstream from mouth.

DRAINAGE AREA.--1,443 mi².

PERIOD OF RECORD.--October 1968 to current year (gage heights only).

REVISED RECORDS.--WRD LA-1971: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 130.00 ft above National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development).

REMARKS.--Reservoir is formed by an earthfill dam containing a 1,200-ft concrete spillway equipped with 12 adjustable gates and a fish ladder. Each gate is 6.0-ft wide and 5.0-ft high and fits into a notch along the spillway crest. The 1.75-ft thick spillway crest is flat and has an invert at 11 ft gage height with invert of the notches at 6 ft gage height. The fish ladder is 4-ft wide and begins flowing at 4.1 ft gage height. Capacity at spillway crest is 120,000 acre-ft. Dam was completed in 1935 and enlarged in 1951. Reservoir is used for flood control and conservation. Gates were closed all year.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 14.56 ft Feb. 8, 1975; minimum, 3.37 ft Nov. 18, 1983.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 13.88 ft Jan. 3; minimum, 9.80 ft Oct. 16, 17, 18.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10.05 | 10.00 | 11.55 | 13.11 | 11.71 | 11.83 | 11.90 | 11.26 | 10.89 | 10.46 | 10.48 | 10.32 |
| 2 | 10.03 | 10.00 | 11.52 | 13.64 | 11.66 | 11.79 | 12.24 | 11.20 | 10.87 | 10.44 | 10.47 | 10.32 |
| 3 | 10.05 | 10.00 | 11.49 | 13.85 | 11.60 | 11.76 | 12.28 | 11.17 | 10.87 | 10.44 | 10.45 | 10.31 |
| 4 | 9.99 | 10.00 | 11.47 | 13.73 | 11.55 | 11.68 | 12.20 | 11.17 | 10.88 | 10.43 | 10.44 | 10.33 |
| 5 | 9.96 | 10.02 | 11.44 | 13.42 | 11.49 | 11.62 | 12.11 | 11.14 | 10.85 | 10.45 | 10.43 | 10.29 |
| 6 | 9.97 | 9.99 | 11.46 | 13.05 | 11.43 | 11.56 | 12.07 | 11.11 | 10.82 | 10.47 | 10.42 | 10.27 |
| 7 | 9.94 | 9.96 | 11.59 | 12.71 | 11.39 | 11.50 | 11.99 | 11.07 | 10.80 | 10.46 | 10.42 | 10.25 |
| 8 | 9.91 | 9.97 | 11.58 | 12.41 | 11.39 | 11.51 | 11.97 | 11.05 | 10.78 | 10.45 | 10.40 | 10.23 |
| 9 | 9.90 | 10.11 | 11.54 | 12.22 | 11.40 | 11.66 | 11.96 | 11.06 | 10.77 | 10.43 | 10.40 | 10.22 |
| 10 | 9.89 | 10.28 | 11.48 | 12.08 | 11.38 | 11.67 | 11.94 | 11.07 | 10.78 | 10.41 | 10.38 | 10.22 |
| 11 | 9.91 | 10.23 | 11.41 | 11.96 | 11.40 | 11.62 | 11.91 | 11.05 | 10.73 | 10.39 | 10.43 | 10.19 |
| 12 | 9.89 | 10.22 | 11.37 | 11.89 | 11.36 | 11.68 | 11.89 | 11.02 | 10.70 | 10.37 | 10.48 | 10.20 |
| 13 | 9.86 | 10.21 | 11.35 | 11.84 | 11.34 | 11.72 | 11.85 | 11.01 | 10.68 | 10.37 | 10.48 | 10.20 |
| 14 | 9.84 | 10.21 | 11.29 | 11.77 | 11.33 | 11.73 | 11.81 | 11.01 | 10.66 | 10.36 | 10.47 | 10.20 |
| 15 | 9.82 | 10.20 | 11.28 | 11.71 | 11.36 | 11.72 | 11.74 | 10.99 | 10.65 | 10.34 | 10.46 | 10.18 |
| 16 | 9.81 | 10.50 | 11.27 | 11.68 | 11.32 | 11.72 | 11.67 | 10.98 | 10.63 | 10.33 | 10.45 | 10.18 |
| 17 | 9.81 | 10.71 | 11.26 | 11.71 | 11.34 | 11.72 | 11.55 | 10.98 | 10.63 | 10.31 | 10.45 | 10.15 |
| 18 | 9.83 | 10.80 | 11.24 | 11.73 | 11.53 | 11.87 | 11.58 | 10.97 | 10.62 | 10.31 | 10.47 | 10.13 |
| 19 | 9.89 | 10.85 | 11.24 | 11.84 | 11.82 | 11.87 | 11.53 | 10.96 | 10.61 | 10.36 | 10.47 | 10.12 |
| 20 | 9.90 | 10.93 | 11.32 | 11.92 | 11.94 | 11.82 | 11.45 | 10.94 | 10.60 | 10.40 | 10.46 | 10.12 |
| 21 | 9.89 | 11.04 | 11.30 | 11.92 | 11.99 | 11.77 | 11.39 | 10.93 | 10.59 | 10.41 | 10.46 | 10.11 |
| 22 | 9.85 | 11.15 | 11.28 | 11.90 | 11.95 | 11.72 | 11.37 | 10.98 | 10.59 | 10.39 | 10.46 | 10.09 |
| 23 | 9.84 | 11.27 | 11.27 | 11.87 | 12.00 | 11.67 | 11.36 | 10.99 | 10.58 | 10.37 | 10.44 | 10.07 |
| 24 | 9.87 | 11.37 | 11.28 | 11.89 | 11.97 | 11.62 | 11.36 | 11.01 | 10.56 | 10.33 | 10.45 | 10.06 |
| 25 | 9.91 | 11.54 | 11.31 | 11.89 | 11.95 | 11.61 | 11.35 | 11.01 | 10.56 | 10.32 | 10.44 | 10.07 |
| 26 | 9.99 | 11.63 | 11.59 | 11.90 | 11.93 | 11.62 | 11.35 | 10.99 | 10.55 | 10.31 | 10.41 | 10.05 |
| 27 | 10.05 | 11.64 | 12.07 | 11.90 | 11.92 | 11.61 | 11.36 | 10.96 | 10.54 | 10.43 | 10.40 | 10.03 |
| 28 | 10.01 | 11.62 | 12.24 | 11.89 | 11.91 | 11.58 | 11.33 | 10.94 | 10.53 | 10.52 | 10.39 | 10.01 |
| 29 | 9.99 | 11.60 | 12.21 | 11.86 | 11.88 | 11.60 | 11.31 | 10.92 | 10.50 | 10.52 | 10.39 | 10.01 |
| 30 | 9.99 | 11.58 | 12.16 | 11.82 | --- | 11.76 | 11.30 | 10.91 | 10.47 | 10.51 | 10.36 | 10.08 |
| 31 | 9.99 | --- | 12.50 | 11.77 | --- | 11.86 | --- | 10.90 | --- | 10.50 | 10.33 | --- |
| MAX | 10.05 | 11.64 | 12.50 | 13.85 | 12.00 | 11.87 | 12.28 | 11.26 | 10.89 | 10.52 | 10.48 | 10.33 |
| MIN | 9.81 | 9.96 | 11.24 | 11.68 | 11.32 | 11.50 | 11.30 | 10.90 | 10.47 | 10.31 | 10.33 | 10.01 |

## 07349374 FLAT RIVER NEAR CURTIS, LA

LOCATION.--Lat 32°26'20", long 93°37'37", in NW 1/4 NW 1/4 sec.29, T.17 N., R.12 W., Bossier Parish, Hydrologic Unit 11140204, near left bank on downstream side of bridge on State Highway 612, 1.0 mi east of Curtis.

DRAINAGE AREA.--Indeterminate (see REMARKS).

PERIOD OF RECORD.--March 1980 to September 1988 (discontinued).

REVISED RECORDS.--WRD LA-84: 1983-84(M).

GAGE.--Water-stage recorder. Datum of gage is 123.67 ft above National Geodetic Vertical Datum of 1929. Prior to Nov. 17, 1982 nonrecording gage read twice daily. Prior to Oct. 1, 1981 at datum 10.00 ft higher.

REMARKS.--Estimated daily discharges. Indefinite state-discharge relationship, Oct. 3-18, Nov. 3-7, Dec. 30 to Jan. 31, Feb. 3-17, Mar. 4-17, 19-29, Apr. 13-25, June 11-18, June 27 to July 3, July 10-12, 16-26, July 30 to Aug. 10, Aug. 14-23, Aug. 29 to Sept. 4, and Sept. 8-11. Records above 100 ft³/s fair, poor below. Channel dredged August 1982. Interconnecting system of drainage ditches above station produces an interchange of flow which makes the drainage area indeterminable. Bodcau-Red Chute Bayou and Flat River basins are connected by canal upstream. Some regulation by several upstream lakes and reservoirs, combined capacity about 388,000 acre-ft. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--8 years (water years 1981-88), 77.4 ft³/s, 56,080 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,220 ft³/s Apr. 14, 1980, gage height, 27.39 ft, present datum, (prior to dredging August 1982). Maximum discharge, 4,250 ft³/s June 9, 1986, gage height, 25.72 ft (after dredging); no flow Aug. 10-12, 1982, result of temporary dam. Minimum daily discharge not regulated, 1.5 ft³/s, Sept. 10, 11, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,900 ft³/s Nov. 16, gage height, 21.68 ft; minimum daily discharge, 6.6 ft³/s Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14 | 12 | 51 | e300 | 38 | 44 | 44 | 28 | 14 | e9.8 | e18 | e11 |
| 2 | 10 | 11 | 42 | e200 | 36 | 37 | 494 | 24 | 13 | e9.8 | e17 | e10 |
| 3 | e9.0 | e10 | 34 | e110 | e35 | 35 | 333 | 23 | 13 | e10 | e16 | e11 |
| 4 | e8.5 | e9.6 | 27 | e140 | e34 | e30 | 212 | 23 | 14 | 12 | e15 | e13 |
| 5 | e8.4 | e9.2 | 21 | e200 | e33 | e25 | 150 | 22 | 16 | 15 | e14 | 17 |
| 6 | e8.3 | e9.0 | 63 | e180 | e33 | e20 | 112 | 21 | 16 | 39 | e13 | 18 |
| 7 | e8.2 | e8.8 | 381 | e160 | e32 | e18 | 94 | 21 | 15 | 36 | e12 | 13 |
| 8 | e8.1 | 12 | 225 | e140 | e31 | e19 | 82 | 22 | 13 | 33 | e11 | e12 |
| 9 | e8.0 | 43 | 154 | e120 | e30 | 30 | 71 | 24 | 12 | 26 | e10 | e11 |
| 10 | e8.0 | 135 | 105 | e110 | e29 | 33 | 65 | 24 | 11 | e20 | e10 | e10 |
| 11 | e8.0 | 85 | 70 | e100 | e28 | e30 | 60 | 23 | 10 | e15 | 21 | e9.5 |
| 12 | e7.9 | 40 | 51 | e85 | e27 | e27 | 51 | 23 | 10 | e12 | 88 | 11 |
| 13 | e7.8 | 30 | 42 | e75 | e26 | e23 | e48 | 22 | e10 | 29 | 45 | 32 |
| 14 | e7.7 | 23 | 41 | e65 | e25 | e20 | e47 | 20 | e9.8 | 40 | e25 | 30 |
| 15 | e7.8 | 18 | 53 | e55 | e24 | e19 | e46 | 19 | e11 | 26 | e20 | 21 |
| 16 | e7.7 | 884 | 42 | e50 | e23 | e18 | e45 | 19 | e10 | e19 | e18 | 16 |
| 17 | e7.6 | 1060 | 35 | e60 | e22 | e17 | e44 | 18 | 10 | e17 | e16 | 14 |
| 18 | e7.6 | 487 | 31 | e65 | 385 | 63 | e44 | 18 | 11 | e15 | e14 | 12 |
| 19 | 65 | 313 | 49 | e75 | 435 | 43 | e40 | 18 | 11 | e13 | e20 | 10 |
| 20 | 43 | 213 | 113 | e80 | 263 | e35 | e38 | 16 | 11 | e14 | e30 | 9.9 |
| 21 | 15 | 152 | 78 | e70 | 192 | e30 | e36 | 18 | 10 | e15 | e20 | 9.2 |
| 22 | 10 | 108 | 55 | e65 | 151 | e25 | e34 | 34 | 11 | e16 | e35 | 8.3 |
| 23 | 9.6 | 73 | 44 | e60 | 124 | e20 | e33 | 50 | 16 | e16 | e45 | 7.9 |
| 24 | 27 | 54 | 39 | e55 | 109 | e15 | e31 | 30 | 17 | e15 | 36 | 8.1 |
| 25 | 117 | 258 | 40 | e50 | 100 | e17 | e28 | 20 | 14 | e15 | 46 | 8.4 |
| 26 | 150 | 331 | 556 | e48 | 90 | e20 | 25 | 16 | 12 | e16 | 39 | 8.5 |
| 27 | 153 | 195 | 1310 | e46 | 78 | e17 | 23 | 15 | 10 | 27 | 26 | 8.1 |
| 28 | 52 | 136 | 978 | e45 | 65 | e15 | 22 | 15 | e9.8 | 86 | 17 | 7.4 |
| 29 | 26 | 92 | 707 | e43 | 55 | e20 | 22 | 14 | e9.8 | 47 | e15 | 6.9 |
| 30 | 19 | 63 | e550 | e41 | --- | 75 | 32 | 13 | e9.7 | e25 | e13 | 6.6 |
| 31 | 15 | --- | e425 | e40 | --- | 62 | --- | 13 | --- | e20 | e12 | --- |
| TOTAL | 854.2 | 4874.6 | 6412 | 2933 | 2553 | 902 | 2406 | 668 | 360.1 | 708.6 | 737 | 370.8 |
| MEAN | 27.6 | 162 | 207 | 94.6 | 88.0 | 29.1 | 80.2 | 21.5 | 12.0 | 22.9 | 23.8 | 12.4 |
| MAX | 153 | 1060 | 1310 | 300 | 435 | 75 | 494 | 50 | 17 | 86 | 88 | 32 |
| MIN | 7.6 | 8.8 | 21 | 40 | 22 | 15 | 22 | 13 | 9.7 | 9.8 | 10 | 6.6 |
| AC-FT | 1690 | 9670 | 12720 | 5820 | 5060 | 1790 | 4770 | 1320 | 714 | 1410 | 1460 | 735 |

CAL YR 1987 TOTAL 28164.5 MEAN 77.2 MAX 1310 MIN 7.6 AC-FT 55860
WTR YR 1988 TOTAL 23779.3 MEAN 65.0 MAX 1310 MIN 6.6 AC-FT 47170

e Estimated.

## 07349374 FLAT RIVER NEAR CURTIS, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9.40 | 8.76 | 9.50 | 16.76 | 12.46 | 11.93 | 11.05 | 8.86 | 9.03 | 9.40 | 10.18 | 9.79 |
| 2 | 9.29 | 8.72 | 9.33 | 17.01 | 12.30 | 11.75 | 16.71 | 8.79 | 9.03 | 9.41 | 10.11 | 9.74 |
| 3 | 9.22 | 8.69 | 9.16 | 17.51 | 12.17 | 11.67 | 15.11 | 8.79 | 9.05 | 9.44 | 10.06 | 9.79 |
| 4 | 9.15 | 8.68 | 9.02 | 17.93 | 12.02 | 11.47 | 13.52 | 8.81 | 9.09 | 9.66 | 10.02 | 9.89 |
| 5 | 9.13 | 8.68 | 8.92 | 18.01 | 11.92 | 11.28 | 12.60 | 8.80 | 9.15 | 9.77 | 10.01 | 10.10 |
| 6 | 9.12 | 8.67 | 9.56 | 17.87 | 11.82 | 11.12 | 11.99 | 8.80 | 9.18 | 10.29 | 9.99 | 10.12 |
| 7 | 9.08 | 8.66 | 14.02 | 17.61 | 11.77 | 11.03 | 11.67 | 8.82 | 9.15 | 10.24 | 9.99 | 9.94 |
| 8 | 9.04 | 8.67 | 12.06 | 17.23 | 11.74 | 11.07 | 11.47 | 8.86 | 9.12 | 10.20 | 9.99 | 9.77 |
| 9 | 9.03 | 9.26 | 11.04 | 16.68 | 11.67 | 11.41 | 11.29 | 8.90 | 9.10 | 10.12 | 9.98 | 9.66 |
| 10 | 9.03 | 10.78 | 10.30 | 16.09 | 11.59 | 11.44 | 11.18 | 8.92 | 9.10 | 9.98 | 9.98 | 9.55 |
| 11 | 9.03 | 10.01 | 9.76 | 15.53 | 11.44 | 11.33 | 11.07 | 8.92 | 9.08 | 9.88 | 10.76 | 9.48 |
| 12 | 9.01 | 9.25 | 9.44 | 15.10 | 11.39 | 11.15 | 10.87 | 8.93 | 9.09 | 9.83 | 12.09 | 9.68 |
| 13 | 8.99 | 9.05 | 9.27 | 14.99 | 11.31 | 11.05 | 10.62 | 8.92 | 9.09 | 10.27 | 11.37 | 10.15 |
| 14 | 8.98 | 8.92 | 9.23 | 14.68 | 11.23 | 10.92 | 10.34 | 8.91 | 9.11 | 10.52 | 10.85 | 10.08 |
| 15 | 8.99 | 8.84 | 9.46 | 14.24 | 11.13 | 10.85 | 10.04 | 8.91 | 9.13 | 10.29 | 10.54 | 9.89 |
| 16 | 8.98 | 15.97 | 9.26 | 13.91 | 11.06 | 10.75 | 9.73 | 8.91 | 9.14 | 10.10 | 10.32 | 9.74 |
| 17 | 8.97 | 18.45 | 9.10 | 14.24 | 10.98 | 10.67 | 9.50 | 8.9[illegible] | 9.18 | 10.00 | 10.17 | 9.66 |
| 18 | 8.97 | 15.16 | 9.01 | 14.28 | 16.42 | 11.77 | 9.50 | 8.92 | 9.22 | 9.95 | 10.07 | 9.57 |
| 19 | 10.05 | 13.32 | 9.33 | 14.65 | 17.34 | 11.38 | 9.34 | 8.93 | 9.24 | 9.94 | 10.37 | 9.49 |
| 20 | 9.65 | 11.99 | 10.37 | 14.74 | 15.35 | 10.89 | 9.09 | 8.95 | 9.24 | 9.96 | 10.70 | 9.44 |
| 21 | 9.06 | 11.12 | 9.83 | 14.42 | 14.36 | 10.53 | 8.95 | 8.98 | 9.24 | 9.98 | 10.61 | 9.38 |
| 22 | 8.86 | 10.44 | 9.47 | 14.14 | 13.75 | 10.27 | 8.86 | 9.30 | 9.27 | 9.99 | 10.81 | 9.31 |
| 23 | 8.80 | 9.90 | 9.25 | 13.89 | 13.32 | 10.13 | 8.81 | 9.62 | 9.45 | 10.01 | 10.97 | 9.26 |
| 24 | 9.14 | 9.60 | 9.13 | 13.65 | 13.07 | 10.08 | 8.77 | 9.25 | 9.52 | 10.01 | 10.86 | 9.24 |
| 25 | 10.67 | 12.39 | 9.16 | 13.47 | 12.90 | 10.17 | 8.73 | 9.08 | 9.45 | 10.01 | 11.03 | 9.22 |
| 26 | 11.13 | 13.48 | 14.24 | 13.37 | 12.73 | 10.53 | 8.72 | 9.00 | 9.42 | 10.02 | 10.84 | 9.20 |
| 27 | 11.19 | 11.71 | 19.47 | 13.23 | 12.55 | 10.29 | 8.70 | 8.98 | 9.40 | 10.56 | 10.58 | 9.16 |
| 28 | 9.60 | 10.84 | 17.95 | 13.09 | 12.34 | 10.01 | 8.68 | 8.99 | 9.39 | 11.67 | 10.35 | 9.13 |
| 29 | 9.12 | 10.15 | 16.57 | 12.99 | 12.14 | 10.11 | 8.70 | 9.00 | 9.39 | 11.07 | 10.16 | 9.11 |
| 30 | 8.96 | 9.72 | 16.33 | 12.86 | --- | 11.63 | 8.90 | 8.99 | 9.39 | 10.56 | 9.99 | 9.10 |
| 31 | 8.85 | --- | 16.54 | 12.66 | --- | 11.41 | --- | 9.01 | --- | 10.31 | 9.87 | --- |
| MAX | 11.19 | 18.45 | 19.47 | 18.01 | 17.34 | 11.93 | 16.71 | 9.62 | 9.52 | 11.67 | 12.09 | 10.15 |
| MIN | 8.80 | 8.66 | 8.92 | 12.66 | 10.98 | 10.01 | 8.68 | 8.79 | 9.03 | 9.40 | 9.87 | 9.10 |

## 07349500 BODCAU BAYOU NEAR SAREPTA, LA

LOCATION.--Lat 32°54'18", long 93°28'58", in NE 1/4 sec.15, T.22 N., R.11 W., Bossier-Webster Parish line, Hydrologic Unit 11140205, on left bank on downstream side of bridge on State Highway 2, 2.1 mi northwest of Sarepta, and 9.5 mi upstream from Caney Creek.

DRAINAGE AREA.--546 mi².

PERIOD OF RECORD.--October 1938 to current year.

REVISED RECORDS.--WSP 1211: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 173.91 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--No estimated daily discharges. Records good. Some diversion and regulation by Lake Erling (usable capacity, 79,000 acre-ft) 15 mi upstream. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--50 years, 564 ft³/s, 408,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,600 ft³/s May 2, 1958, gage height, 25.14 ft; minimum, 0.1 ft³/s at times in 1939, 1943, 1952, and 1954; minimum gage height, 1.43 ft Aug. 14-19, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 22, 23, 1930, exceeded 25 ft and flood in 1905 may have reached a stage of 27 ft from information by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 3,000 ft³/s and maximum (*):

| Date | Time | Discharge (ft³/s) | Gage height (ft) | Date | Time | Discharge (ft³/s) | Gage height (ft) |
|---|---|---|---|---|---|---|---|
| Dec. 29 | 1600 | *13,200 | *23.52 | Jan. 6 | 1930 | 3,480 | 16.78 |

Minimum discharge, 1.4 ft³/s Aug. 26, 27, gage height, 1.71 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.5 | 14 | 1240 | 11000 | 1060 | 791 | 612 | 204 | 19 | 30 | 36 | 2.9 |
| 2 | S5.0 | 13 | 1090 | 8440 | 1000 | 781 | 898 | 187 | 22 | 35 | 34 | 2.7 |
| 3 | 5.2 | 13 | 957 | 6240 | 991 | 805 | 1400 | 177 | 23 | 36 | 33 | 7.7 |
| 4 | 6.3 | 14 | 838 | 4720 | 983 | 795 | 1770 | 170 | 24 | 37 | 31 | 13 |
| 5 | 6.8 | 14 | 747 | 3970 | 965 | 787 | 1640 | 165 | 27 | 36 | 35 | 13 |
| 6 | 7.0 | 13 | 666 | 3610 | 944 | 779 | 1310 | 156 | 28 | 34 | 39 | 12 |
| 7 | 6.9 | 12 | 611 | 3260 | 921 | 767 | 1030 | 109 | 24 | 35 | 39 | 12 |
| 8 | 6.6 | 12 | 591 | 2960 | 898 | 868 | 753 | 73 | 22 | 39 | 37 | 11 |
| 9 | 6.4 | 17 | 640 | 2720 | 874 | 1020 | 524 | 65 | 21 | 39 | 35 | 11 |
| 10 | 6.9 | 35 | 682 | 2480 | 851 | 1070 | 486 | 66 | 20 | 40 | 33 | 10 |
| 11 | 6.9 | 45 | 687 | 2270 | 839 | 1060 | 592 | 64 | 19 | 40 | 34 | 11 |
| 12 | 6.2 | 37 | 657 | 2130 | 835 | 1030 | 699 | 52 | 18 | 39 | 33 | 12 |
| 13 | 5.6 | 25 | 617 | 2010 | 827 | 1010 | 741 | 43 | 17 | 38 | 33 | 12 |
| 14 | 5.3 | 20 | 587 | 1900 | 821 | 971 | 723 | 38 | 16 | 37 | 33 | 11 |
| 15 | 5.6 | 28 | 577 | 1800 | 825 | 915 | 664 | 35 | 17 | 36 | 32 | 13 |
| 16 | 7.4 | 814 | 580 | 1710 | 829 | 864 | 580 | 34 | 21 | 34 | 32 | 15 |
| 17 | 8.3 | 2200 | 594 | 1720 | 833 | 829 | 501 | 32 | 22 | 34 | 30 | 15 |
| 18 | 9.9 | 2450 | 583 | 1730 | 1030 | 860 | 453 | 30 | 23 | 33 | 30 | 14 |
| 19 | 18 | 2010 | 556 | 1790 | 1370 | 882 | 436 | 29 | 23 | 31 | 29 | 13 |
| 20 | 21 | 1570 | 556 | 1810 | 1770 | 900 | 520 | 28 | 23 | 33 | 23 | 13 |
| 21 | 14 | 1110 | 564 | 1780 | 1910 | 897 | 584 | 27 | 21 | 35 | 11 | 12 |
| 22 | 12 | 783 | 618 | 1710 | 1790 | 868 | 570 | 28 | 19 | 35 | 6.4 | 12 |
| 23 | 11 | 452 | 656 | 1630 | 1560 | 834 | 519 | 28 | 18 | 34 | 4.4 | 11 |
| 24 | 12 | 292 | 666 | 1590 | 1310 | 812 | 472 | 27 | 23 | 33 | 3.9 | 11 |
| 25 | 16 | 418 | 702 | 1570 | 1130 | 860 | 449 | 25 | 30 | 31 | 2.9 | 13 |
| 26 | 24 | 690 | 1430 | 1550 | 1000 | 896 | 422 | 24 | 30 | 29 | 1.9 | 11 |
| 27 | 22 | 1070 | 7360 | 1500 | 906 | 935 | 385 | 23 | 29 | 31 | 1.6 | 9.5 |
| 28 | 21 | 1430 | 11000 | 1400 | 849 | 950 | 338 | 22 | 28 | 32 | 2.8 | 8.7 |
| 29 | 18 | 1510 | 12900 | 1290 | 813 | 921 | 286 | 21 | 28 | 35 | 3.4 | 8.6 |
| 30 | 15 | 1400 | 13200 | 1200 | --- | 941 | 236 | 20 | 27 | 37 | 3.3 | 10 |
| 31 | 14 | --- | 12800 | 1120 | --- | 681 | --- | 18 | --- | 37 | 3.0 | --- |
| TOTAL | 335.8 | 18511 | 75952 | 84610 | 30734 | 27279 | 20593 | 2020 | 682 | 1085 | 705.6 | 331.1 |
| MEAN | 10.8 | 617 | 2450 | 2729 | 1060 | 880 | 686 | 65.2 | 22.7 | 35.0 | 22.8 | 11.0 |
| MAX | 24 | 2450 | 13200 | 11000 | 1910 | 1070 | 1770 | 204 | 30 | 40 | 39 | 15 |
| MIN | 5.0 | 12 | 556 | 1120 | 813 | 681 | 236 | 18 | 16 | 29 | 1.6 | 2.7 |
| AC-FT | 666 | 36720 | 150700 | 167800 | 60960 | 54110 | 40850 | 4010 | 1350 | 2150 | 1400 | 657 |

CAL YR 1987 TOTAL 214042.3 MEAN 586 MAX 13200 MIN 4.9 AC-FT 424600
WTR YR 1988 TOTAL 262838.5 MEAN 718 MAX 13200 MIN 1.6 AC-FT 521300

## 07349500 BODCAU BAYOU NEAR SAREPTA, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.06 | 2.45 | 12.55 | 22.43 | 11.67 | 10.16 | 8.99 | 5.66 | 2.52 | 2.86 | 3.00 | 1.80 |
| 2 | 2.03 | 2.43 | 11.86 | 21.14 | 11.39 | 10.10 | 10.81 | 5.47 | 2.62 | 2.99 | 2.96 | 1.79 |
| 3 | 2.04 | 2.43 | 11.14 | 19.79 | 11.33 | 10.25 | 12.66 | 5.34 | 2.65 | 3.00 | 2.92 | 2.04 |
| 4 | 2.10 | 2.43 | 10.45 | 18.55 | 11.28 | 10.19 | 14.14 | 5.25 | 2.69 | 3.03 | 2.89 | 2.29 |
| 5 | 2.13 | 2.43 | 9.88 | 17.58 | 11.19 | 10.14 | 13.81 | 5.19 | 2.78 | 3.01 | 2.98 | 2.27 |
| 6 | 2.14 | 2.40 | 9.35 | 16.92 | 11.08 | 10.09 | 12.83 | 5.08 | 2.79 | 2.96 | 3.09 | 2.26 |
| 7 | 2.14 | 2.38 | 8.99 | 16.51 | 10.95 | 10.01 | 11.51 | 4.37 | 2.70 | 2.97 | 3.08 | 2.24 |
| 8 | 2.12 | 2.37 | 8.85 | 16.14 | 10.81 | 10.61 | 9.91 | 3.77 | 2.61 | 3.08 | 3.04 | 2.21 |
| 9 | 2.11 | 2.54 | 9.17 | 15.84 | 10.67 | 11.47 | 8.38 | 3.63 | 2.59 | 3.10 | 2.99 | 2.19 |
| 10 | 2.14 | 3.08 | 9.45 | 15.53 | 10.53 | 11.74 | 8.11 | 3.63 | 2.56 | 3.11 | 2.94 | 2.16 |
| 11 | 2.13 | 3.31 | 9.48 | 15.25 | 10.46 | 11.70 | 8.85 | 3.60 | 2.53 | 3.10 | 2.95 | 2.22 |
| 12 | 2.10 | 3.12 | 9.29 | 14.99 | 10.44 | 11.56 | 9.56 | 3.36 | 2.49 | 3.08 | 2.94 | 2.23 |
| 13 | 2.07 | 2.83 | 9.03 | 14.71 | 10.38 | 11.41 | 9.84 | 3.17 | 2.45 | 3.06 | 2.94 | 2.24 |
| 14 | 2.05 | 2.67 | 8.82 | 14.45 | 10.35 | 11.22 | 9.73 | 3.06 | 2.41 | 3.04 | 2.93 | 2.22 |
| 15 | 2.07 | 2.81 | 8.76 | 14.21 | 10.37 | 10.92 | 9.33 | 2.98 | 2.44 | 3.00 | 2.91 | 2.31 |
| 16 | 2.16 | 10.12 | 8.78 | 14.00 | 10.40 | 10.61 | 8.78 | 2.95 | 2.59 | 2.97 | 2.90 | 2.36 |
| 17 | 2.20 | 14.55 | 8.87 | 14.03 | 10.42 | 10.40 | 8.22 | 2.90 | 2.63 | 2.95 | 2.87 | 2.35 |
| 18 | 2.27 | 15.49 | 8.79 | 14.05 | 11.52 | 10.59 | 7.87 | 2.86 | 2.64 | 2.93 | 2.85 | 2.33 |
| 19 | 2.61 | 14.95 | 8.61 | 14.19 | 13.03 | 10.72 | 7.74 | 2.83 | 2.66 | 2.89 | 2.82 | 2.31 |
| 20 | 2.60 | 13.82 | 8.61 | 14.24 | 14.13 | 10.83 | 8.36 | 2.79 | 2.65 | 2.93 | 2.64 | 2.28 |
| 21 | 2.45 | 12.21 | 8.67 | 14.16 | 14.49 | 10.81 | 8.81 | 2.77 | 2.57 | 2.99 | 2.22 | 2.25 |
| 22 | 2.35 | 10.09 | 9.03 | 13.99 | 14.19 | 10.64 | 8.71 | 2.78 | 2.51 | 2.98 | 1.99 | 2.23 |
| 23 | 2.34 | 7.85 | 9.28 | 13.79 | 13.60 | 10.43 | 8.35 | 2.80 | 2.48 | 2.96 | 1.88 | 2.22 |
| 24 | 2.38 | 6.56 | 9.34 | 13.68 | 12.84 | 10.29 | 8.01 | 2.77 | 2.63 | 2.92 | 1.85 | 2.20 |
| 25 | 2.53 | 7.57 | 9.58 | 13.63 | 12.06 | 10.59 | 7.84 | 2.72 | 2.85 | 2.88 | 1.80 | 2.28 |
| 26 | 2.79 | 9.50 | 12.35 | 13.58 | 11.37 | 10.80 | 7.64 | 2.68 | 2.87 | 2.83 | 1.74 | 2.18 |
| 27 | 2.72 | 11.70 | 18.18 | 13.43 | 10.86 | 11.03 | 7.35 | 2.65 | 2.83 | 2.88 | 1.72 | 2.14 |
| 28 | 2.69 | 13.24 | 22.43 | 13.15 | 10.52 | 11.11 | 6.98 | 2.62 | 2.81 | 2.92 | 1.79 | 2.10 |
| 29 | 2.58 | 13.45 | 23.38 | 12.77 | 10.30 | 10.95 | 6.51 | 2.59 | 2.81 | 2.98 | 1.83 | 2.10 |
| 30 | 2.51 | 13.14 | 23.52 | 12.36 | --- | 10.47 | 6.01 | 2.54 | 2.78 | 3.05 | 1.82 | 2.16 |
| 31 | 2.47 | --- | 23.36 | 12.00 | --- | 9.45 | --- | 2.50 | --- | 3.03 | 1.81 | --- |
| MAX | 2.79 | 15.49 | 23.52 | 22.43 | 14.49 | 11.74 | 14.14 | 5.66 | 2.87 | 3.11 | 3.09 | 2.36 |
| MIN | 2.03 | 2.37 | 8.61 | 12.00 | 10.30 | 9.45 | 6.01 | 2.50 | 2.41 | 2.83 | 1.72 | 1.79 |

## 07349815 CYPRESS BAYOU LAKE NEAR BENTON, LA

LOCATION.--Lat 32°39'07", long 93°40'11", in NE 1/4 SW 1/4 sec.12, T.19 N., R.13 W., Webster Parish, Hydrologic Unit 11140204, attached to pier of catwalk to diversion structure about 4,500 ft northwest of spillway, and 5.0 mi southeast of Benton.

DRAINAGE AREA.--163 mi$^2$.

PERIOD OF RECORD.--January 1975 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of the gage is 170.00 ft above National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development).

REMARKS.--Reservoir is formed by a 6,000-ft earthfill dam on Cypress Bayou. The 250-ft concrete spillway with crest at 9.60 ft, gage datum, is located at left end of dam. Capacity at spillway crest, 25,000 acre-ft. A 6- by 6-ft sluice gate with still at -15.5 ft, gage datum, is located at diversion structure 4,500 ft northwest of spillway. Water from Cypress Bayou Lake is diverted into Black Bayou Lake by way of this structure. Dam completed and storage began in 1975. Reservoir is used for flood control, conservation, and recreation. Gates were closed all year.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 12.02 ft June 29, 1986 and Dec. 28, 1987; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 12.02 ft Dec. 28; minimum, 7.69 ft Sept. 29, 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.05 | 7.96 | 9.93 | 10.54 | 9.75 | 9.82 | 10.19 | 9.59 | 9.14 | 8.62 | 8.17 | 7.84 |
| 2 | 8.03 | 7.95 | 9.86 | 10.39 | 9.76 | 9.81 | 10.55 | 9.57 | 9.12 | 8.60 | 8.14 | 7.84 |
| 3 | 8.01 | 7.95 | 9.82 | 10.30 | 9.76 | 9.88 | 10.70 | 9.57 | 9.11 | 8.60 | 8.13 | 7.84 |
| 4 | 7.97 | 7.94 | 9.78 | 10.22 | 9.78 | 9.89 | 10.74 | 9.56 | 9.11 | 8.59 | 8.11 | 7.85 |
| 5 | 7.95 | 7.94 | 9.74 | 10.13 | 9.79 | 9.90 | 10.64 | 9.54 | 9.07 | 8.58 | 8.10 | 7.82 |
| 6 | 7.95 | 7.91 | 9.78 | 10.08 | 9.78 | 9.88 | 10.49 | 9.52 | 9.05 | 8.56 | 8.08 | 7.80 |
| 7 | 7.92 | 7.89 | 9.95 | 10.07 | 9.75 | 9.83 | 10.30 | 9.50 | 9.03 | 8.55 | 8.06 | 7.77 |
| 8 | 7.89 | 7.89 | 9.99 | 10.00 | 9.75 | 9.88 | 10.18 | 9.49 | 9.01 | 8.55 | 8.04 | 7.75 |
| 9 | 7.87 | 7.95 | 10.02 | 9.95 | 9.74 | 9.97 | 10.09 | 9.50 | 9.00 | 8.53 | 8.02 | 7.74 |
| 10 | 7.87 | 8.03 | 10.02 | 9.92 | 9.72 | 10.00 | 10.01 | 9.50 | 8.99 | 8.51 | 7.99 | 7.73 |
| 11 | 7.87 | 8.00 | 9.99 | 9.89 | 9.75 | 10.02 | 9.93 | 9.48 | 8.95 | 8.49 | 8.09 | 7.85 |
| 12 | 7.84 | 7.98 | 9.93 | 9.90 | 9.72 | 10.07 | 9.89 | 9.47 | 8.92 | 8.46 | 8.12 | 7.93 |
| 13 | 7.81 | 7.97 | 9.88 | 9.95 | 9.72 | 10.04 | 9.87 | 9.45 | 8.90 | 8.45 | 8.11 | 7.93 |
| 14 | 7.79 | 7.97 | 9.84 | 9.98 | 9.73 | 10.01 | 9.84 | 9.44 | 8.88 | 8.44 | 8.10 | 7.92 |
| 15 | 7.78 | 8.01 | 9.81 | 10.00 | 9.76 | 9.97 | 9.82 | 9.42 | 8.87 | 8.42 | 8.09 | 7.90 |
| 16 | 7.77 | 9.31 | 9.78 | 10.01 | 9.73 | 9.92 | 9.79 | 9.40 | 8.85 | 8.40 | 8.08 | 7.89 |
| 17 | 7.77 | 10.53 | 9.76 | 10.09 | 9.74 | 9.89 | 9.76 | 9.39 | 8.84 | 8.39 | 8.06 | 7.88 |
| 18 | 7.78 | 11.01 | 9.74 | 10.11 | 10.10 | 9.96 | 9.78 | 9.37 | 8.83 | 8.37 | 8.06 | 7.86 |
| 19 | 7.83 | 10.84 | 9.76 | 10.13 | 10.48 | 9.98 | 9.75 | 9.35 | 8.80 | 8.34 | 8.05 | 7.85 |
| 20 | 7.84 | 10.56 | 9.80 | 10.12 | 10.60 | 9.99 | 9.73 | 9.32 | 8.79 | 8.33 | 8.05 | 7.85 |
| 21 | 7.81 | 10.33 | 9.82 | 10.08 | 10.59 | 9.98 | 9.71 | 9.31 | 8.77 | 8.31 | 8.04 | 7.84 |
| 22 | 7.78 | 10.13 | 9.84 | 10.03 | 10.46 | 9.94 | 9.71 | 9.32 | 8.76 | 8.29 | 8.03 | 7.82 |
| 23 | 7.77 | 10.0 | 9.84 | 9.97 | 10.35 | 9.90 | 9.70 | 9.30 | 8.73 | 8.25 | 8.02 | 7.80 |
| 24 | 7.83 | 9.91 | 9.83 | 9.92 | 10.21 | 9.86 | 9.67 | 9.29 | 8.71 | 8.22 | 8.02 | 7.79 |
| 25 | 7.90 | 10.02 | 9.88 | 9.88 | 10.09 | 9.98 | 9.65 | 9.29 | 8.71 | 8.20 | 8.00 | 7.77 |
| 26 | 7.99 | 10.06 | 10.34 | 9.83 | 10.01 | 10.07 | 9.64 | 9.26 | 8.71 | 8.17 | 7.98 | 7.76 |
| 27 | 8.01 | 10.08 | 11.25 | 9.80 | 9.95 | 10.10 | 9.62 | 9.23 | 8.70 | 8.21 | 7.96 | 7.74 |
| 28 | 7.99 | 10.08 | 11.92 | 9.78 | 9.90 | 10.09 | 9.59 | 9.21 | 8.69 | 8.25 | 7.95 | 7.72 |
| 29 | 7.97 | 10.06 | 11.59 | 9.75 | 9.87 | 10.12 | 9.58 | 9.19 | 8.67 | 8.23 | 7.93 | 7.71 |
| 30 | 7.96 | 10.01 | 11.07 | 9.74 | --- | 10.18 | 9.60 | 9.17 | 8.64 | 8.21 | 7.89 | 7.70 |
| 31 | 7.96 | --- | 10.75 | 9.75 | --- | 10.17 | --- | 9.15 | --- | 8.19 | 7.86 | --- |
| MAX | 8.05 | 11.01 | 11.92 | 10.54 | 10.60 | 10.18 | 10.74 | 9.59 | 9.14 | 8.62 | 8.17 | 7.93 |
| MIN | 7.77 | 7.89 | 9.74 | 9.74 | 9.72 | 9.81 | 9.58 | 9.15 | 8.64 | 8.17 | 7.86 | 7.70 |

## 07349860 RED CHUTE BAYOU AT SLIGO, LA

LOCATION.--Lat 32°26'50", long 93°35'40", SW 1/4 NW 1/4 sec.22, T.17 N., R.12 W., Bossier Parish, Hydrologic unit 11140204, on downstream side of bridge on State Highway 612, 0.5 mi west of Sligo.

DRAINAGE AREA.--980 $mi^2$.

PERIOD OF RECORD.--Annual maximums, water years 1960-80. July 1980 to current year.

REVISED RECORDS.--WDR LA-32-1: 1968-80(M).

GAGE.--Water-stage recorder. Elevation of gage is 120.00 ft above National Geodetic Vertical Datum of 1929. Dec. 1, 1959 to July 10, 1980, crest-stage indicator at same site. Dec. 1, 1966 to July 10, 1980 at datum 121.26 ft lower and prior to Dec. 1, 1966 at National Geodectic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--8 years (water year 1981-88) 762 $ft^3/s$, 552,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,740 $ft^3/s$ June 29, 1986; maximum gage height, 35.01 ft, present datum, June 22, 1979; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 1,950 $ft^3/s$ and maximum (*):

| Date | Time | Discharge ($ft^3/s$) | Gage height (ft) | Date | Time | Discharge ($ft^3/s$) | Gage height (ft) |
|---|---|---|---|---|---|---|---|
| Jan. 8 | 1100 | 3,010 | 32.21 | Feb. 20 | 1800 | 3,130 | 32.61 |
| Jan. 20 | 0700 | *3,190 | *32.81 | Apr. 4 | 1300 | 2,520 | 30.54 |

Minimum discharge, 3.5 $ft^3/s$ Oct. 9, 13, 14, gage height, 15.81 ft.

### DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.8 | 25 | 1500 | 2730 | 2860 | 2650 | 2140 | 1050 | 26 | 11 | 37 | 17 |
| 2 | 3.8 | 24 | 1480 | 2780 | 2840 | 2620 | 2450 | 995 | 24 | 10 | 34 | 16 |
| 3 | 4.7 | 20 | 1470 | 2850 | 2820 | 2590 | 2450 | 947 | 23 | 10 | 29 | 14 |
| 4 | 5.0 | 17 | 1450 | 2910 | 2800 | 2560 | 2510 | 898 | 21 | 11 | 25 | 13 |
| 5 | 4.3 | 15 | 1430 | 2930 | 2780 | 2520 | 2490 | 848 | 19 | 11 | 22 | 12 |
| 6 | 4.2 | 13 | 1460 | 2950 | 2750 | 2490 | 2440 | 794 | 17 | 15 | 19 | 11 |
| 7 | 4.5 | 11 | 1620 | 2990 | 2720 | 2450 | 2400 | 739 | 17 | 14 | 18 | 10 |
| 8 | 4.1 | 11 | 1540 | 3000 | 2700 | 2420 | 2360 | 682 | 17 | 16 | 17 | 9.0 |
| 9 | 3.7 | 25 | 1540 | 3000 | 2680 | 2420 | 2310 | 626 | 16 | 17 | 17 | 8.1 |
| 10 | 3.8 | 76 | 1540 | 2990 | 2650 | 2400 | 2270 | 568 | 15 | 19 | 17 | 7.7 |
| 11 | 4.4 | 40 | 1530 | 2970 | 2640 | 2390 | 2230 | 506 | 13 | 23 | 22 | 7.2 |
| 12 | 4.3 | 32 | 1510 | 2970 | 2610 | 2370 | 2170 | 447 | 12 | 29 | 23 | 7.5 |
| 13 | 3.8 | 26 | 1490 | 2970 | 2590 | 2350 | 2110 | 389 | 11 | 34 | 22 | 7.7 |
| 14 | 3.8 | 22 | 1470 | 2980 | 2570 | 2320 | 2060 | 328 | 11 | 33 | 21 | 7.7 |
| 15 | 4.1 | 18 | 1450 | 2990 | 2550 | 2290 | 2010 | 267 | 12 | 30 | 22 | 7.9 |
| 16 | 4.1 | 301 | 1410 | 3010 | 2520 | 2260 | 1950 | 209 | 14 | 28 | 23 | 7.5 |
| 17 | 4.3 | 575 | 1360 | 3060 | 2500 | 2220 | 1900 | 151 | 14 | 26 | 24 | 7.5 |
| 18 | 6.6 | 719 | 1320 | 3090 | 2730 | 2270 | 1860 | 108 | 13 | 25 | 24 | 7.6 |
| 19 | 7.8 | 1030 | 1290 | 3160 | 3000 | 2240 | 1810 | 78 | 12 | 24 | 28 | 8.6 |
| 20 | 9.7 | 1140 | 1280 | 3190 | 3110 | 2210 | 1750 | 61 | 12 | 23 | 34 | 9.2 |
| 21 | 8.2 | 1260 | 1240 | 3170 | 3090 | 2170 | 1690 | 50 | 12 | 22 | 47 | 9.4 |
| 22 | 7.5 | 1340 | 1210 | 3140 | 3000 | 2140 | 1630 | 46 | 12 | 20 | 57 | 9.6 |
| 23 | 7.5 | 1380 | 1180 | 3100 | 2930 | 2100 | 1570 | 45 | 13 | 19 | 63 | 9.1 |
| 24 | 9.0 | 1390 | 1160 | 3070 | 2880 | 2070 | 1510 | 42 | 12 | 19 | 68 | 8.6 |
| 25 | 15 | 1490 | 1130 | 3040 | 2840 | 2050 | 1450 | 38 | 11 | 20 | 63 | 8.1 |
| 26 | 24 | 1540 | 1400 | 3010 | 2800 | 2050 | 1380 | 37 | 11 | 19 | 51 | 7.1 |
| 27 | 24 | 1530 | 1920 | 2990 | 2770 | 2050 | 1320 | 35 | 11 | 37 | 41 | 6.6 |
| 28 | 10 | 1540 | 2300 | 2960 | 2730 | 2030 | 1250 | 32 | 11 | 29 | 33 | 6.0 |
| 29 | 7.5 | 1540 | 2540 | 2930 | 2690 | 2030 | 1180 | 30 | 12 | 23 | 28 | 5.8 |
| 30 | 10 | 1530 | 2630 | 2900 | --- | 2090 | 1120 | 29 | 11 | 26 | 23 | 6.2 |
| 31 | 21 | --- | 2680 | 2880 | --- | 2110 | --- | 28 | --- | 34 | 20 | --- |
| TOTAL | 238.3 | 18680 | 48530 | 92710 | 80150 | 70930 | 57770 | 11103 | 435 | 677 | 972 | 272.7 |
| MEAN | 7.69 | 623 | 1565 | 2991 | 2764 | 2288 | 1926 | 358 | 14.5 | 21.8 | 31.4 | 9.09 |
| MAX | 24 | 1540 | 2680 | 3190 | 3110 | 2650 | 2510 | 1050 | 26 | 37 | 68 | 17 |
| MIN | 3.7 | 11 | 1130 | 2730 | 2500 | 2030 | 1120 | 28 | 11 | 10 | 17 | 5.8 |
| AC-FT | 473 | 37050 | 96260 | 183900 | 159000 | 140700 | 114600 | 22020 | 863 | 1340 | 1930 | 541 |

CAL YR 1987 TOTAL 318847.9 MEAN 874 MAX 3130 MIN 3.2 AC-FT 632400
WTR YR 1988 TOTAL 382468.0 MEAN 1045 MAX 3190 MIN 3.7 AC-FT 758600

## 07349860 RED CHUTE BAYOU AT SLIGO, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 15.83 | 16.48 | 26.41 | 31.29 | 31.71 | 30.99 | 29.13 | 24.28 | 16.49 | 16.03 | 16.72 | 16.16 |
| 2 | 15.83 | 16.44 | 26.31 | 31.44 | 31.65 | 30.88 | 30.29 | 23.97 | 16.45 | 16.01 | 16.67 | 16.11 |
| 3 | 15.86 | 16.35 | 26.24 | 31.67 | 31.58 | 30.79 | 30.31 | 23.71 | 16.40 | 16.02 | 16.57 | 16.06 |
| 4 | 15.87 | 16.28 | 26.17 | 31.88 | 31.53 | 30.67 | 30.51 | 23.44 | 16.37 | 16.04 | 16.47 | 16.02 |
| 5 | 15.85 | 16.20 | 26.10 | 31.95 | 31.43 | 30.55 | 30.44 | 23.16 | 16.31 | 16.06 | 16.38 | 15.97 |
| 6 | 15.84 | 16.14 | 26.21 | 32.02 | 31.35 | 30.44 | 30.26 | 22.86 | 16.26 | 16.17 | 16.31 | 15.93 |
| 7 | 15.86 | 16.10 | 26.90 | 32.15 | 31.26 | 30.30 | 30.10 | 22.56 | 16.24 | 16.16 | 16.27 | 15.89 |
| 8 | 15.84 | 16.11 | 26.59 | 32.20 | 31.18 | 30.21 | 29.96 | 22.24 | 16.24 | 16.20 | 16.26 | 15.86 |
| 9 | 15.82 | 16.42 | 26.55 | 32.18 | 31.10 | 30.20 | 29.79 | 21.91 | 16.21 | 16.24 | 16.25 | 15.82 |
| 10 | 15.83 | 17.38 | 26.55 | 32.14 | 31.01 | 30.13 | 29.65 | 21.55 | 16.17 | 16.30 | 16.25 | 15.81 |
| 11 | 15.85 | 16.79 | 26.53 | 32.10 | 30.95 | 30.08 | 29.48 | 21.15 | 16.13 | 16.42 | 16.39 | 15.79 |
| 12 | 15.85 | 16.63 | 26.45 | 32.08 | 30.87 | 30.02 | 29.25 | 20.73 | 16.09 | 16.57 | 16.43 | 15.80 |
| 13 | 15.82 | 16.50 | 26.36 | 32.10 | 30.79 | 29.94 | 29.04 | 20.30 | 16.05 | 16.67 | 16.38 | 15.81 |
| 14 | 15.82 | 16.39 | 26.27 | 32.13 | 30.71 | 29.83 | 28.84 | 19.84 | 16.03 | 16.65 | 16.36 | 15.81 |
| 15 | 15.84 | 16.30 | 26.15 | 32.16 | 30.63 | 29.73 | 28.62 | 19.35 | 16.08 | 16.59 | 16.38 | 15.82 |
| 16 | 15.84 | 19.14 | 25.97 | 32.21 | 30.54 | 29.59 | 28.39 | 18.85 | 16.14 | 16.53 | 16.42 | 15.80 |
| 17 | 15.85 | 21.60 | 25.77 | 32.39 | 30.46 | 29.47 | 28.16 | 18.27 | 16.16 | 16.50 | 16.45 | 15.80 |
| 18 | 15.94 | 22.43 | 25.57 | 32.48 | 31.26 | 29.62 | 27.99 | 17.78 | 16.11 | 16.47 | 16.45 | 15.81 |
| 19 | 15.98 | 24.14 | 25.44 | 32.70 | 32.17 | 29.53 | 27.75 | 17.41 | 16.09 | 16.43 | 16.53 | 15.84 |
| 20 | 16.04 | 24.70 | 25.40 | 32.80 | 32.54 | 29.42 | 27.50 | 17.17 | 16.08 | 16.40 | 16.66 | 15.86 |
| 21 | 16.00 | 25.27 | 25.19 | 32.74 | 32.48 | 29.28 | 27.24 | 16.98 | 16.06 | 16.38 | 16.91 | 15.87 |
| 22 | 15.97 | 25.66 | 25.03 | 32.63 | 32.19 | 29.14 | 26.98 | 16.90 | 16.08 | 16.34 | 17.09 | 15.88 |
| 23 | 15.97 | 25.83 | 24.88 | 32.51 | 31.95 | 29.00 | 26.71 | 16.87 | 16.10 | 16.31 | 17.20 | 15.86 |
| 24 | 16.03 | 25.90 | 24.78 | 32.41 | 31.78 | 28.86 | 26.43 | 16.83 | 16.09 | 16.31 | 17.26 | 15.84 |
| 25 | 16.22 | 26.36 | 24.64 | 32.31 | 31.65 | 28.81 | 26.15 | 16.76 | 16.06 | 16.32 | 17.19 | 15.82 |
| 26 | 16.44 | 26.58 | 25.92 | 32.23 | 31.52 | 28.78 | 25.86 | 16.73 | 16.05 | 16.31 | 16.98 | 15.79 |
| 27 | 16.44 | 26.54 | 28.25 | 32.14 | 31.40 | 28.78 | 25.56 | 16.68 | 16.03 | 16.69 | 16.78 | 15.77 |
| 28 | 16.07 | 26.57 | 29.76 | 32.05 | 31.29 | 28.71 | 25.23 | 16.64 | 16.05 | 16.55 | 16.61 | 15.74 |
| 29 | 15.97 | 26.55 | 30.62 | 31.97 | 31.15 | 28.69 | 24.91 | 16.60 | 16.07 | 16.41 | 16.48 | 15.73 |
| 30 | 16.06 | 26.51 | 30.95 | 31.86 | --- | 28.95 | 24.60 | 16.56 | 16.06 | 16.50 | 16.36 | 15.75 |
| 31 | 16.38 | --- | 31.12 | 31.78 | --- | 29.04 | --- | 16.54 | --- | 16.57 | 16.25 | --- |
| MAX | 16.44 | 26.58 | 31.12 | 32.80 | 32.54 | 30.99 | 30.51 | 24.28 | 16.49 | 16.69 | 17.26 | 16.16 |
| MIN | 15.82 | 16.10 | 24.64 | 31.29 | 30.46 | 28.69 | 24.60 | 16.54 | 16.03 | 16.01 | 16.25 | 15.73 |

## 07350500 RED RIVER AT COUSHATTA, LA

LOCATION.--Lat 32°00'45", long 93°21'10", in lot 23, T.12 N., R.10 W., Red River Parish, Hydrologic Unit 08040301, at bridge on U.S. Highway 84 at Coushatta, 11.0 mi downstream from Coushatta Bayou, and at mile 242.4.

DRAINAGE AREA.--63,362 mi².

PERIOD OF RECORD.--Water years 1970-1976, October 1987 to September 1988.

REMARKS.--Water-quality samples are non-integrated.

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | SPE-CIFIC CON-DUCT-ANCE (US/CM) | PH (STAND-ARD UNITS) | TEMPER-ATURE WATER (DEG C) | COLOR (PLAT-INUM-COBALT UNITS) | TUR-BID-ITY (NTU) | OXYGEN, DIS-SOLVED (MG/L) | OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) | COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 27... | 0930 | 1180 | 7.90 | 18.0 | 20 | 23 | 8.8 | 22 | 2.5 | >20000 |
| NOV | | | | | | | | | | |
| 19... | 1100 | 370 | 7.00 | 15.0 | 160 | 78 | 9.6 | 63 | 2.5 | K8700 |
| DEC | | | | | | | | | | |
| 09... | 1130 | 182 | 7.70 | 13.0 | 100 | 74 | 9.9 | 35 | 4.0 | -- |
| JAN 1988 | | | | | | | | | | |
| 12... | 0900 | 370 | 7.65 | 4.0 | 80 | 110 | 12.3 | 49 | 3.4 | 1700 |
| FEB | | | | | | | | | | |
| 03... | 1000 | 504 | 7.60 | 10.5 | 80 | 54 | 10.3 | 14 | 1.5 | 1800 |
| APR | | | | | | | | | | |
| 06... | 0930 | 383 | 7.50 | 19.0 | 40 | 60 | 8.7 | -- | 2.2 | 2000 |
| 27... | 0830 | 414 | 7.78 | 21.0 | 40 | 85 | 8.7 | 12 | 1.9 | 2700 |
| MAY | | | | | | | | | | |
| 25... | 1200 | 1090 | 8.10 | 24.0 | 5 | 14 | 8.4 | 38 | 2.4 | 1200 |
| JUN | | | | | | | | | | |
| 15... | 1315 | 1120 | 8.00 | 27.0 | 5 | 6.6 | 8.5 | <10 | 2.6 | K120 |
| JUL | | | | | | | | | | |
| 13... | 1215 | 1260 | 7.60 | 29.0 | 10 | 12 | 8.9 | 32 | 4.8 | K420 |
| AUG | | | | | | | | | | |
| 04... | 1030 | 1180 | 7.60 | 31.0 | 15 | 5.7 | 7.6 | 25 | 4.9 | K50 |
| SEP | | | | | | | | | | |
| 08... | 1130 | 585 | 8.16 | 25.0 | 20 | 22 | 10.3 | 17 | -- | 720 |

| DATE | COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) | STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) | HARD-NESS TOTAL (MG/L AS CACO3) | CALCIUM DIS-SOLVED (MG/L AS CA) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) | SODIUM, DIS-SOLVED (MG/L AS NA) | POTAS-SIUM, DIS-SOLVED (MG/L AS K) | ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DIS-SOLVED (MG/L AS SO4) | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 27... | >400 | 1400 | 280 | 70 | 26 | 130 | 5.0 | 178 | 130 | 170 |
| NOV | | | | | | | | | | |
| 19... | K550 | 1200 | 89 | 24 | 7.0 | 33 | 3.8 | 68 | 31 | 48 |
| DEC | | | | | | | | | | |
| 09... | 590 | 3200 | 52 | 15 | 3.5 | 12 | 3.1 | 50 | 14 | 14 |
| JAN 1988 | | | | | | | | | | |
| 12... | K55 | 88 | 120 | 33 | 8.5 | 33 | 3.4 | 48 | 47 | 47 |
| FEB | | | | | | | | | | |
| 03... | 76 | 120 | 130 | 35 | 9.5 | 46 | 3.2 | 69 | 62 | 70 |
| APR | | | | | | | | | | |
| 06... | 280 | 390 | 100 | 29 | 7.5 | 32 | 2.9 | 69 | 42 | 47 |
| 27... | 92 | K28 | 110 | 32 | 8.5 | 34 | 2.9 | 74 | 50 | 48 |
| MAY | | | | | | | | | | |
| 25... | <2 | K60 | 310 | 82 | 26 | 100 | 4.9 | 198 | 140 | 140 |
| JUN | | | | | | | | | | |
| 15... | K4 | K3 | 300 | 76 | 26 | 110 | 5.1 | 221 | 130 | 140 |
| JUL | | | | | | | | | | |
| 13... | 140 | K780 | 290 | 71 | 28 | 130 | 5.7 | 206 | 170 | 170 |
| AUG | | | | | | | | | | |
| 04... | <2 | 120 | 300 | 78 | 26 | 130 | 5.6 | 192 | 150 | 160 |
| SEP | | | | | | | | | | |
| 08... | K16 | 110 | 160 | 40 | 14 | 60 | 3.2 | 93 | 67 | 73 |

> Actual value is known to be greater than the value shown.
< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal colony count).

## 07350500 RED RIVER AT COUSHATTA, LA--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) | RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) | NITRO-GEN, NITRITE TOTAL (MG/L AS N) | NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) | NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) | NITRO-GEN, TOTAL (MG/L AS N) | PHOS-PHOROUS TOTAL (MG/L AS P) | PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) | CARBON, ORGANIC TOTAL (MG/L AS C) |
|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | |
| 27... | 689 | 75 | 0.01 | 0.04 | 1.3 | 1.3 | 0.18 | 0.06 | 9.6 |
| NOV | | | | | | | | | |
| 19... | 216 | 345 | 0.05 | 0.31 | 1.1 | 1.4 | 0.34 | 0.15 | 13 |
| DEC | | | | | | | | | |
| 09... | 106 | 199 | 0.04 | 0.17 | 0.67 | 0.84 | 0.24 | 0.15 | 11 |
| JAN 1988 | | | | | | | | | |
| 12... | 218 | 501 | 0.02 | 0.14 | 0.58 | 0.72 | 0.20 | 0.08 | 11 |
| FEB | | | | | | | | | |
| 03... | 300 | 113 | 0.02 | 0.16 | 0.50 | 0.66 | 0.19 | 0.07 | 8.7 |
| APR | | | | | | | | | |
| 06... | 202 | 233 | 0.04 | 0.16 | 0.64 | 0.80 | 0.18 | -- | 10 |
| 27... | 229 | 66 | 0.02 | 0.18 | 0.48 | 0.66 | 0.16 | 0.08 | 7.4 |
| MAY | | | | | | | | | |
| 25... | 619 | 31 | <0.01 | <0.02 | 0.67 | -- | 0.14 | 0.03 | 7.2 |
| JUN | | | | | | | | | |
| 15... | 615 | 3 | <0.01 | <0.02 | 0.74 | -- | 0.11 | 0.04 | 7.2 |
| JUL | | | | | | | | | |
| 13... | 741 | 19 | <0.01 | <0.02 | 1.1 | -- | 0.13 | 0.04 | 7.8 |
| AUG | | | | | | | | | |
| 04... | 688 | 10 | <0.01 | <0.02 | 1.2 | -- | 0.18 | 0.04 | 9.5 |
| SEP | | | | | | | | | |
| 08... | 324 | 41 | 0.01 | <0.02 | 1.2 | -- | 0.14 | 0.07 | 7.9 |

| DATE | ARSENIC TOTAL (UG/L AS AS) | BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE) | CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) | CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) | IRON, TOTAL RECOV-ERABLE (UG/L AS FE) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) | MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) |
|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | |
| 27... | 2 | <10 | 3 | <10 | 4 | 1100 | <5 | 140 |
| JAN 1988 | | | | | | | | |
| 12... | 2 | <10 | <1 | <10 | 9 | 5600 | 5 | 200 |
| APR | | | | | | | | |
| 27... | <1 | <10 | 1 | <10 | 7 | 4500 | <5 | 210 |
| JUL | | | | | | | | |
| 13... | 2 | <10 | 2 | <10 | 3 | 500 | 5 | 210 |

| DATE | MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) | NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) | SELE-NIUM, TOTAL (UG/L AS SE) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) | CYANIDE TOTAL (MG/L AS CN) | PHENOLS TOTAL (UG/L) | OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L) |
|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | |
| 27... | <0.1 | 3 | <1 | 20 | <0.01 | 4 | 3 |
| JAN 1988 | | | | | | | |
| 12... | 0.1 | 7 | <1 | 30 | <0.01 | 9 | 3 |
| APR | | | | | | | |
| 27... | 0.3 | 10 | <1 | 20 | <0.01 | 5 | 2 |
| JUL | | | | | | | |
| 13... | <0.1 | 4 | <1 | 10 | <0.01 | 3 | 1 |

< Actual value is known to be less than the value shown.

## 07351500 CYPRESS BAYOU NEAR KEITHVILLE, LA

LOCATION.--Lat 32°18'00", long 93°49'40", in SW 1/4 sec.8, T.15 N., R.14 W., Caddo Parish, Hydrologic Unit 11140206, on downstream side of bridge on U.S. Highway 171, immediately downstream from Texas and Pacific Railroad bridge, 2.0 mi south of Keithville, and 6.0 mi upstream from mouth of Boggy Bayou.

DRAINAGE AREA.--66 mi².

PERIOD OF RECORD.--Sept. 26, 1938 to September 1957. October 1957 to September 1982 (annual maximum). Oct. 4, 1982, to current year.

REVISED RECORDS.--WSP 1211: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 162.13 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Estimated daily discharges. Indefinite stage-discharge relationship: Oct. 30 to Nov. 9, Nov. 11-14, Jan. 21-31, Feb. 8-17, Mar. 11-16, Apr. 11-16, 22-30, May 2-19, June 1-2, and Aug. 3-4. Records fair above 50 ft³/s and poor below. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--24 years (1939-56, 1983-88), 73.5 ft³/s, 15.12 in/yr, 53,250 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 23,700 ft³/s Aug. 3, 1955, gage height, 13.62 ft; no flow at times each year.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of July 1933 reached a stage of 18.0 ft, from floodmark.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 3,000 ft³/s and maximum (*):

| Date | Time | Discharge (ft³/s) | Gage height (ft) | Date | Time | Discharge (ft³/s) | Gage height (ft) |
|---|---|---|---|---|---|---|---|
| Dec. 27 | 0200 | *5,680 | *11.18 | Feb. 19 | 0100 | 4,710 | 11.01 |
| Apr. 2 | 1130 | 5,030 | 11.07 | | | | |

Minimum, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .00 | e.80 | 28 | 249 | 12 | 15 | 133 | 6.3 | e.10 | .00 | .43 | .00 |
| 2 | .00 | e.60 | 29 | 108 | 14 | 15 | 2800 | e6.0 | e.05 | .00 | .20 | .00 |
| 3 | .00 | e.40 | 32 | 69 | 15 | 30 | 878 | e5.2 | .00 | .00 | e.10 | .20 |
| 4 | .00 | e.30 | 35 | 83 | 15 | 35 | 134 | e4.5 | .00 | .23 | e.05 | .27 |
| 5 | .00 | e.20 | 37 | 66 | 14 | 26 | 70 | e4.0 | .00 | .50 | .00 | .45 |
| 6 | .00 | e.10 | 67 | 54 | 11 | 21 | 51 | e3.5 | .00 | .31 | .00 | .67 |
| 7 | .00 | e.08 | 1230 | 53 | 11 | 18 | 42 | e2.9 | .00 | 1.0 | .00 | .41 |
| 8 | .00 | e.06 | 777 | 57 | e10 | 18 | 32 | e2.5 | .00 | 1.2 | .00 | .16 |
| 9 | .00 | e1.5 | 87 | 54 | e10 | 21 | 28 | e2.0 | .00 | .77 | .00 | .00 |
| 10 | .00 | 3.2 | 45 | 64 | e9.0 | 23 | 25 | e1.6 | .00 | .45 | .00 | .00 |
| 11 | .00 | e1.5 | 34 | 61 | e9.0 | e20 | e23 | e1.5 | .00 | .25 | .87 | .00 |
| 12 | .00 | e.90 | 29 | 63 | e10 | e15 | e21 | e1.3 | .00 | .08 | 2.0 | .00 |
| 13 | .00 | e.40 | 28 | 91 | e10 | e20 | e20 | e1.1 | .00 | .00 | 1.5 | .00 |
| 14 | .00 | e.20 | 30 | 70 | e9.0 | e18 | e19 | e1.0 | .00 | .00 | 1.2 | .00 |
| 15 | .00 | 3.5 | 42 | 54 | e9.0 | e16 | e18 | e.80 | .00 | .00 | .95 | .00 |
| 16 | .00 | 129 | 43 | 49 | e8.0 | e15 | e17 | e.70 | .00 | .00 | .82 | .00 |
| 17 | .00 | 601 | 34 | 173 | e8.0 | 19 | 20 | e.60 | .00 | .00 | 1.1 | .00 |
| 18 | .00 | 152 | 35 | 123 | 1040 | 361 | 52 | e.55 | .00 | .00 | 6.6 | .00 |
| 19 | .00 | 31 | 51 | 82 | 2800 | 274 | 37 | e.50 | .00 | .00 | 2.2 | .00 |
| 20 | .00 | 26 | 258 | 81 | 523 | 65 | 20 | .43 | .00 | .00 | .94 | .00 |
| 21 | .00 | 25 | 107 | e60 | 90 | 40 | 16 | .77 | .00 | .00 | .26 | .00 |
| 22 | .00 | 26 | 49 | e45 | 52 | 29 | e13 | 1.3 | .00 | .00 | 3.5 | .00 |
| 23 | .00 | 26 | 35 | e32 | 37 | 24 | e11 | 1.2 | .00 | .00 | 2.4 | .00 |
| 24 | .00 | 27 | 31 | e25 | 24 | 24 | e9.0 | 1.7 | .00 | .00 | .93 | .00 |
| 25 | .00 | 148 | 31 | e20 | 16 | 32 | e7.0 | 1.7 | .00 | .00 | .63 | .00 |
| 26 | .00 | 732 | 1230 | e15 | 13 | 43 | e5.5 | 1.1 | .00 | .00 | 1.0 | .00 |
| 27 | 5.7 | 198 | 4010 | e11 | 14 | 28 | e4.5 | .70 | .00 | 69 | .64 | .00 |
| 28 | 4.1 | 41 | 1530 | e11 | 14 | 20 | e4.0 | .55 | .00 | 269 | .38 | .00 |
| 29 | 2.6 | 29 | 339 | e10 | 15 | 57 | e3.5 | .43 | .00 | 8.9 | .18 | .00 |
| 30 | e2.0 | 27 | 89 | e10 | --- | 608 | e4.0 | .37 | .00 | 2.2 | .04 | .00 |
| 31 | e1.0 | --- | 123 | e11 | --- | 351 | --- | .22 | --- | .71 | .00 | --- |
| TOTAL | 15.40 | 2231.74 | 10525 | 1954 | 4822.0 | 2301 | 4517.5 | 57.02 | 0.15 | 354.60 | 28.92 | 2.16 |
| MEAN | .50 | 74.4 | 340 | 63.0 | 166 | 74.2 | 151 | 1.84 | .005 | 11.4 | .93 | .072 |
| MAX | 5.7 | 732 | 4010 | 249 | 2800 | 608 | 2800 | 6.3 | .10 | 269 | 6.6 | .67 |
| MIN | .00 | .06 | 28 | 10 | 8.0 | 15 | 3.5 | .22 | .00 | .00 | .00 | .00 |
| AC-FT | 31 | 4430 | 20880 | 3880 | 9560 | 4560 | 8960 | 113 | .3 | 703 | 57 | 4.3 |
| CFSM | .01 | 1.13 | 5.14 | .96 | 2.52 | 1.12 | 2.28 | .03 | .00 | .17 | .01 | .00 |
| IN. | .01 | 1.26 | 5.93 | 1.10 | 2.72 | 1.30 | 2.55 | .03 | .00 | .20 | .02 | .00 |

CAL YR 1987 TOTAL 25147.19 MEAN 68.9 MAX 4010 MIN .00 AC-FT 49880 CFSM 1.04 IN. 14.17
WTR YR 1988 TOTAL 26809.49 MEAN 73.2 MAX 4010 MIN .00 AC-FT 53180 CFSM 1.11 IN. 15.11

e Estimated.

### 07351500 CYPRESS BAYOU NEAR KEITHVILLE, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.88 | 3.88 | 4.06 | 6.78 | 4.19 | 4.03 | 5.22 | 3.75 | 3.79 | 3.67 | 3.86 | 3.76 |
| 2 | 2.86 | 3.87 | 4.10 | 5.21 | 4.23 | 4.04 | 10.30 | 3.75 | 3.79 | 3.64 | 3.84 | 3.78 |
| 3 | 2.83 | 3.86 | 4.17 | 4.60 | 4.25 | 4.32 | 9.23 | 3.73 | 3.80 | 3.62 | 3.82 | 3.80 |
| 4 | 2.81 | 3.85 | 4.23 | 4.83 | 4.25 | 4.41 | 5.27 | 3.73 | 3.81 | 3.73 | 3.80 | 3.85 |
| 5 | 2.79 | 3.84 | 4.26 | 4.55 | 4.23 | 4.23 | 4.24 | 3.73 | 3.78 | 3.87 | 3.79 | 3.86 |
| 6 | 2.77 | 3.82 | 4.68 | 4.29 | 4.17 | 4.13 | 3.90 | 3.73 | 3.71 | 3.85 | 3.78 | 3.88 |
| 7 | 2.75 | 3.81 | 9.57 | 4.28 | 4.16 | 4.06 | 3.74 | 3.74 | 3.73 | 3.90 | 3.78 | 3.86 |
| 8 | 2.73 | 3.80 | 8.92 | 4.37 | 4.22 | 4.06 | 3.54 | 3.75 | 3.74 | 3.91 | 3.76 | 3.84 |
| 9 | 2.71 | 3.86 | 5.03 | 4.30 | 4.30 | 4.13 | 3.49 | 3.78 | 3.74 | 3.88 | 3.73 | 3.83 |
| 10 | 2.69 | 3.93 | 4.40 | 4.51 | 4.35 | 4.16 | 3.47 | 3.79 | 3.73 | 3.86 | 3.72 | 3.81 |
| 11 | 2.68 | 3.92 | 4.20 | 4.45 | 4.37 | 3.95 | 3.50 | 3.78 | 3.71 | 3.85 | 3.87 | 3.81 |
| 12 | 2.66 | 3.91 | 4.11 | 4.48 | 4.37 | 3.80 | 3.54 | 3.60 | 3.68 | 3.84 | 3.94 | 3.81 |
| 13 | 2.64 | 3.91 | 4.08 | 4.96 | 4.37 | 3.90 | 3.54 | 3.40 | 3.66 | 3.83 | 3.92 | 3.80 |
| 14 | 2.62 | 3.91 | 4.12 | 4.61 | 4.39 | 3.93 | 3.54 | 3.46 | 3.63 | 3.81 | 3.91 | 3.79 |
| 15 | 2.60 | 3.94 | 4.36 | 4.29 | 4.42 | 3.94 | 3.60 | 3.61 | 3.61 | 3.78 | 3.90 | 3.76 |
| 16 | 2.59 | 5.48 | 4.36 | 4.19 | 4.45 | 3.98 | 3.63 | 3.65 | 3.58 | 3.76 | 3.89 | 3.75 |
| 17 | 2.57 | 8.95 | 4.21 | 5.97 | 4.44 | 4.04 | 3.66 | 3.64 | 3.66 | 3.73 | 3.90 | 3.74 |
| 18 | 2.57 | 5.62 | 4.23 | 5.71 | 7.79 | 7.46 | 4.32 | 3.65 | 3.73 | 3.70 | 4.08 | 3.73 |
| 19 | 2.63 | 4.15 | 4.49 | 5.24 | 10.56 | 6.85 | 4.10 | 3.66 | 3.72 | 3.68 | 3.95 | 3.71 |
| 20 | 2.62 | 4.02 | 6.87 | 5.23 | 8.27 | 4.80 | 3.78 | 3.67 | 3.75 | 3.68 | 3.89 | 3.70 |
| 21 | 2.60 | 3.98 | 5.30 | 4.48 | 5.32 | 4.42 | 3.74 | 3.71 | 3.79 | 3.66 | 3.85 | 3.68 |
| 22 | 2.59 | 4.00 | 4.47 | 4.19 | 4.81 | 4.21 | 3.76 | 3.74 | 3.79 | 3.63 | 3.98 | 3.66 |
| 23 | 2.58 | 4.02 | 4.23 | 4.05 | 4.56 | 4.12 | 3.76 | 3.75 | 3.79 | 3.60 | 3.96 | 3.64 |
| 24 | 2.72 | 4.06 | 4.15 | 4.00 | 4.32 | 4.12 | 3.54 | 3.79 | 3.78 | 3.57 | 3.89 | 3.62 |
| 25 | 2.88 | 5.47 | 4.15 | 3.96 | 4.15 | 4.25 | 3.57 | 3.80 | 3.79 | 3.54 | 3.87 | 3.60 |
| 26 | 3.16 | 9.32 | 7.75 | 3.91 | 4.05 | 4.45 | 3.64 | 3.79 | 3.79 | 3.52 | 3.90 | 3.58 |
| 27 | 4.03 | 6.06 | 10.86 | 3.87 | 4.05 | 4.17 | 3.68 | 3.78 | 3.77 | 4.60 | 3.88 | 3.55 |
| 28 | 3.97 | 4.32 | 10.13 | 3.91 | 4.04 | 4.01 | 3.65 | 3.78 | 3.75 | 6.86 | 3.86 | 3.53 |
| 29 | 3.90 | 4.10 | 7.25 | 3.95 | 4.04 | 4.38 | 3.65 | 3.79 | 3.73 | 4.13 | 3.84 | 3.51 |
| 30 | 3.89 | 4.03 | 4.92 | 4.02 | --- | 8.84 | 3.70 | 3.79 | 3.70 | 3.95 | 3.83 | 3.50 |
| 31 | 3.88 | --- | 5.36 | 4.13 | --- | 7.31 | --- | 3.80 | --- | 3.88 | 3.81 | --- |
| MAX | 4.03 | 9.32 | 10.86 | 6.78 | 10.56 | 8.84 | 10.30 | 3.80 | 3.81 | 6.86 | 4.08 | 3.88 |
| MIN | 2.57 | 3.80 | 4.06 | 3.87 | 4.04 | 3.80 | 3.47 | 3.40 | 3.58 | 3.52 | 3.72 | 3.50 |

## 07351750 BAYOU PIERRE NEAR LAKE END, LA

LOCATION.--Lat 31°53'40", long 93°20'30", in E 1/2 sec.36, T.11 N., R.10 W., Natchitoches Parish, Hydrologic Unit 11140206, near right bank on downstream side of bridge on State Highway 174, 1/2 mi downstream from Jims River, and 2.9 mi southwest of Lake End.

DRAINAGE AREA.--860 mi$^2$.

PERIOD OF RECORD.--October 1980 to current year. November 30, 1959 to September 1980, annual maximum and miscellaneous measurements only.

GAGE.--Water stage recorder. Datum of gage is 90.00 ft above National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development). Prior to September 1980, nonrecording gage at same site. Water stage recorder for Bayou Pierre near Powhatan (station 07351750) used as auxiliary gage for this station at datum 83.61 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Aug. 11-12; (indefinite stage-discharge relationship) May 10-16, and Sept. 23-26 (no gage-height record at base gage). Records fair. Backwater from Red River. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--8 years, 728 ft$^3$/s, 527,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,690 ft$^3$/s Nov. 28, 1986; maximum gage height 25.36 ft Dec. 30, 1987; minimum daily discharge 12 ft$^3$/s June 10, 11, 15, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,120 ft$^3$/s Dec. 29; maximum gage height 25.36 ft Dec. 30; minimum discharge, 29 ft$^3$/s July 25; minimum gage height 0.65 ft Sept. 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 31 | 192 | 1280 | 6550 | 458 | 1040 | 1560 | 184 | 49 | 34 | 153 | 71 |
| 2 | 35 | 158 | 1110 | 5310 | 442 | 942 | 4340 | 172 | 49 | 34 | 135 | 68 |
| 3 | 49 | 136 | 945 | 4080 | 599 | 1370 | 6450 | 155 | 48 | 50 | 103 | 65 |
| 4 | 48 | 118 | 787 | 3160 | 638 | 1290 | 7120 | 140 | 48 | 38 | 80 | 64 |
| 5 | 42 | 102 | 668 | 2540 | 588 | 1130 | 6670 | 127 | 47 | 54 | 67 | 62 |
| 6 | 37 | 88 | 611 | 2070 | 497 | 955 | 5330 | 126 | 45 | 78 | 60 | 60 |
| 7 | 33 | 77 | 1040 | 1790 | 406 | 804 | 3870 | 109 | 44 | 64 | 56 | 58 |
| 8 | 32 | 69 | 1490 | 1650 | 334 | 985 | 2770 | 100 | 43 | 70 | 51 | 59 |
| 9 | 30 | 67 | 1680 | 1510 | 293 | 1920 | 2070 | 97 | 43 | 67 | 46 | 59 |
| 10 | 30 | 75 | 1670 | 1400 | 282 | 1670 | 1640 | e94 | 42 | 62 | 44 | 56 |
| 11 | 31 | 84 | 1560 | 1340 | 256 | 1390 | 1320 | e88 | 40 | 55 | e150 | 55 |
| 12 | 32 | 126 | 1370 | 1290 | 234 | 1120 | 1100 | e84 | 40 | 49 | e210 | 53 |
| 13 | 33 | 161 | 1190 | 1230 | 218 | 856 | 968 | e80 | 39 | 43 | 265 | 52 |
| 14 | 32 | 142 | 1030 | 1200 | 203 | 668 | 862 | e77 | 39 | 37 | 325 | 53 |
| 15 | 31 | 116 | 894 | 1120 | 191 | 540 | 776 | e74 | 39 | 34 | 313 | 54 |
| 16 | 32 | 1890 | 782 | 980 | 222 | 442 | 696 | e72 | 38 | 35 | 250 | 56 |
| 17 | 32 | 3230 | 703 | 929 | 319 | 426 | 613 | 69 | 38 | 39 | 183 | 57 |
| 18 | 32 | 2840 | 612 | 935 | 530 | 1380 | 557 | 65 | 38 | 39 | 134 | 57 |
| 19 | 33 | 2590 | 573 | 1950 | 1830 | 1970 | 520 | 63 | 39 | 57 | 105 | 55 |
| 20 | 34 | 2220 | 774 | 2730 | 3460 | 2080 | 483 | 61 | 39 | 46 | 90 | 54 |
| 21 | 34 | 1900 | 925 | 2850 | 4560 | 1830 | 447 | 61 | 38 | 44 | 78 | 52 |
| 22 | 38 | 1630 | 944 | 2550 | 4240 | 1530 | 406 | 62 | 38 | 37 | 71 | 49 |
| 23 | 50 | 1370 | 848 | 2000 | 3350 | 1250 | 352 | 61 | 38 | 33 | 71 | e48 |
| 24 | 53 | 1150 | 686 | 1430 | 2530 | 1040 | 291 | 60 | 37 | 31 | 74 | e45 |
| 25 | 50 | 1280 | 593 | 1090 | 1950 | 883 | 274 | 71 | 38 | 35 | 77 | e42 |
| 26 | 53 | 1760 | 1070 | 883 | 1590 | 803 | 269 | 73 | 38 | 72 | 85 | e38 |
| 27 | 78 | 1870 | 5400 | 756 | 1360 | 713 | 268 | 66 | 37 | 50 | 99 | 36 |
| 28 | 171 | 1800 | 7440 | 655 | 1360 | 614 | 254 | 59 | 36 | 55 | 104 | 35 |
| 29 | 284 | 1650 | 8040 | 559 | 1230 | 574 | 213 | 54 | 36 | 52 | 94 | 34 |
| 30 | 288 | 1460 | 7820 | 514 | --- | 974 | 200 | 52 | 35 | 96 | 81 | 35 |
| 31 | 240 | --- | 7310 | 494 | --- | 1450 | --- | 50 | --- | 159 | 73 | --- |
| TOTAL | 2028 | 30351 | 61845 | 57545 | 34170 | 34639 | 52689 | 2706 | 1218 | 1649 | 3727 | 1582 |
| MEAN | 65.4 | 1012 | 1995 | 1856 | 1178 | 1117 | 1756 | 87.3 | 40.6 | 53.2 | 120 | 52.7 |
| MAX | 288 | 3230 | 8040 | 6550 | 4560 | 2080 | 7120 | 184 | 49 | 159 | 325 | 71 |
| MIN | 30 | 67 | 573 | 494 | 191 | 426 | 200 | 50 | 35 | 31 | 44 | 34 |
| AC-FT | 4020 | 60200 | 122700 | 114100 | 67780 | 68710 | 104500 | 5370 | 2420 | 3270 | 7390 | 3140 |
| CFSM | .08 | 1.18 | 2.32 | 2.16 | 1.37 | 1.30 | 2.04 | .10 | .05 | .06 | .14 | .06 |
| IN. | .09 | 1.31 | 2.68 | 2.49 | 1.48 | 1.50 | 2.28 | .12 | .05 | .07 | .16 | .07 |

CAL YR 1987 TOTAL 305340 MEAN 837 MAX 9240 MIN 30 AC-FT 605600 CFSM .97 IN. 13.21
WTR YR 1988 TOTAL 284149 MEAN 776 MAX 8040 MIN 30 AC-FT 563600 CFSM .90 IN. 12.29

e Estimated.

## 07351750 BAYOU PIERRE NEAR LAKE END, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .75 | 2.44 | 8.96 | 24.71 | 6.15 | 8.09 | 10.24 | 2.38 | 1.03 | .81 | 2.12 | 1.25 |
| 2 | .83 | 2.17 | 8.14 | 23.61 | 5.69 | 7.56 | 16.99 | 2.28 | 1.02 | .80 | 1.96 | 1.21 |
| 3 | 1.02 | 1.98 | 7.27 | 22.33 | 6.09 | 9.39 | 20.55 | 2.14 | 1.01 | 1.02 | 1.66 | 1.17 |
| 4 | 1.02 | 1.80 | 6.41 | 21.28 | 6.13 | 9.03 | 21.55 | 2.01 | 1.02 | .86 | 1.41 | 1.15 |
| 5 | .93 | 1.65 | 5.72 | 20.55 | 5.87 | 8.23 | 20.89 | 1.89 | .99 | 1.05 | 1.26 | 1.13 |
| 6 | .86 | 1.50 | 5.36 | 19.99 | 5.53 | 7.32 | 18.78 | 1.88 | .98 | 1.38 | 1.17 | 1.09 |
| 7 | .80 | 1.37 | 7.75 | 19.58 | 5.34 | 6.57 | 16.20 | 1.72 | .97 | 1.22 | 1.12 | 1.07 |
| 8 | .77 | 1.29 | 9.95 | 19.05 | 5.35 | 7.95 | 13.92 | 1.63 | .96 | 1.29 | 1.05 | 1.08 |
| 9 | .74 | 1.26 | 10.84 | 18.37 | 5.36 | 11.83 | 12.21 | 1.59 | .94 | 1.25 | .98 | 1.07 |
| 10 | .75 | 1.35 | 10.81 | 17.61 | 5.11 | 11.33 | 11.01 | --- | .93 | 1.20 | .96 | 1.03 |
| 11 | .76 | 1.45 | 10.26 | 16.79 | 4.59 | 10.41 | 10.18 | --- | .91 | 1.11 | 3.26 | 1.02 |
| 12 | .78 | 1.87 | 9.40 | 15.90 | 4.22 | 9.23 | 9.51 | --- | .90 | 1.03 | 3.10 | .98 |
| 13 | .79 | 2.19 | 8.53 | 15.01 | 3.94 | 8.34 | 8.92 | --- | .89 | .94 | 3.01 | .97 |
| 14 | .78 | 2.02 | 7.74 | 14.07 | 3.73 | 7.75 | 8.30 | --- | .89 | .86 | 3.44 | .98 |
| 15 | .76 | 1.78 | 7.00 | 13.01 | 3.58 | 7.39 | 7.67 | --- | .88 | .81 | 3.35 | .98 |
| 16 | .77 | 9.93 | 6.38 | 12.09 | 3.55 | 7.10 | 6.90 | --- | .88 | .82 | 2.89 | 1.00 |
| 17 | .78 | 14.93 | 5.98 | 11.67 | 3.40 | 6.76 | 6.16 | 1.28 | .87 | .89 | 2.36 | 1.02 |
| 18 | .78 | 14.10 | 5.71 | 11.64 | 4.92 | 9.84 | 5.48 | 1.24 | .87 | .89 | 1.94 | 1.01 |
| 19 | .79 | 13.53 | 5.65 | 14.18 | 11.19 | 11.95 | 4.99 | 1.21 | .89 | 1.13 | 1.66 | .99 |
| 20 | .81 | 12.63 | 6.81 | 15.59 | 15.38 | 12.27 | 4.63 | 1.18 | .88 | .98 | 1.51 | .97 |
| 21 | .81 | 11.71 | 7.56 | 15.68 | 17.49 | 11.48 | 4.29 | 1.18 | .87 | .96 | 1.37 | .94 |
| 22 | .86 | 10.59 | 7.54 | 14.64 | 16.91 | 10.15 | 4.00 | 1.20 | .87 | .86 | 1.28 | .90 |
| 23 | 1.04 | 9.40 | 7.21 | 12.92 | 15.17 | 8.82 | 3.83 | 1.18 | .86 | .80 | 1.28 | --- |
| 24 | 1.07 | 8.30 | 7.28 | 11.31 | 13.36 | 7.85 | 3.95 | 1.18 | .86 | .75 | 1.31 | --- |
| 25 | 1.04 | 8.95 | 7.55 | 10.19 | 11.89 | 7.37 | 4.11 | 1.31 | .87 | .81 | 1.34 | --- |
| 26 | 1.08 | 11.22 | 9.54 | 9.46 | 10.76 | 7.03 | 3.86 | 1.33 | .87 | 1.32 | 1.43 | --- |
| 27 | 1.38 | 11.63 | 20.32 | 8.82 | 9.88 | 6.51 | 3.38 | 1.24 | .86 | 1.04 | 1.57 | .69 |
| 28 | 2.27 | 11.38 | 23.65 | 8.19 | 9.58 | 5.85 | 2.93 | 1.16 | .85 | 1.11 | 1.62 | .67 |
| 29 | 3.15 | 10.71 | 24.88 | 7.78 | 8.94 | 5.51 | 2.61 | 1.10 | .85 | 1.07 | 1.51 | .66 |
| 30 | 3.18 | 9.84 | 25.32 | 7.42 | --- | 7.42 | 2.50 | 1.06 | .83 | 1.57 | 1.37 | .67 |
| 31 | 2.82 | --- | 25.18 | 6.81 | --- | 9.77 | --- | 1.05 | --- | 2.17 | 1.27 | --- |
| MAX | 3.18 | 14.93 | 25.32 | 24.71 | 17.49 | 12.27 | 21.55 | 2.38 | 1.03 | 2.17 | 3.44 | 1.25 |
| MIN | .74 | 1.26 | 5.36 | 6.81 | 3.40 | 5.51 | 2.50 | 1.05 | .83 | .75 | .96 | .67 |

## 07351930 RED RIVER AT GRAND ECORE, LA

LOCATION.--Lat 31°49'05", long 93°05'05' in NE 1/4 sec.51, T.10N., R.7W., Natchitoches Parish, Hydrologic Unit 1114027, at bridge on State Highway 6 at Grand Ecore, and 4.0 miles north of Natchitoches.

DRAINAGE AREA.--64,575 mi², of which 5,936 mi² above Denison Dam is noncontributing.

PERIOD OF RECORD.--October 1987 to September 1988.

REMARKS.--Water-quality samples are nonintegrated and collected from center span of bridge.

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | SPE- CIFIC CON- DUCT- ANCE (US/CM) | PH (STAND- ARD UNITS) | TEMPER- ATURE WATER (DEG C) | COLOR (PLAT- INUM- COBALT UNITS) | TUR- BID- ITY (NTU) | OXYGEN, DIS- SOLVED (MG/L) | OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) | OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) | COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 27... | 0830 | 1210 | 8.00 | 18.0 | 20 | 20 | 8.8 | 18 | 2.9 | 1800 |
| NOV | | | | | | | | | | |
| 19... | 0930 | 324 | 7.00 | 15.0 | 160 | 77 | 9.3 | -- | 3.2 | K7800 |
| DEC | | | | | | | | | | |
| 09... | 1000 | 195 | 7.50 | 12.5 | 100 | 82 | 9.8 | 32 | 3.9 | -- |
| JAN 1988 | | | | | | | | | | |
| 12... | 0800 | 356 | 7.67 | 4.0 | 120 | 110 | 10.8 | <10 | 2.1 | 1300 |
| FEB | | | | | | | | | | |
| 02... | 0830 | 516 | 7.50 | 11.0 | 100 | 72 | 10.1 | 19 | 2.3 | 2000 |
| APR | | | | | | | | | | |
| 06... | 0800 | 340 | 7.80 | 19.0 | 50 | 60 | 8.2 | -- | 1.6 | 1800 |
| 26... | 1720 | 480 | 7.70 | 23.0 | 30 | 120 | 8.7 | 19 | 2.0 | 630 |
| MAY | | | | | | | | | | |
| 25... | 1030 | 1060 | 8.00 | 24.0 | 5 | 31 | 8.1 | 42 | 2.4 | 100 |
| JUN | | | | | | | | | | |
| 15... | 1115 | 1150 | 8.00 | 27.5 | 5 | 17 | 7.8 | <10 | 2.7 | K10 |
| JUL | | | | | | | | | | |
| 13... | 1030 | 1240 | 8.20 | 29.0 | 10 | 21 | 8.7 | 28 | 4.0 | K120 |
| AUG | | | | | | | | | | |
| 04... | 0915 | 1090 | 7.50 | 31.0 | 15 | 7.3 | 7.6 | 47 | 7.4 | K48 |
| SEP | | | | | | | | | | |
| 08... | 1300 | 735 | 8.27 | 25.0 | 15 | 32 | 10.3 | 18 | -- | 210 |

| DATE | COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) | STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) | HARD- NESS TOTAL (MG/L AS CACO3) | CALCIUM DIS- SOLVED (MG/L AS CA) | MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) | SODIUM, DIS- SOLVED (MG/L AS NA) | POTAS- SIUM, DIS- SOLVED (MG/L AS K) | ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DIS- SOLVED (MG/L AS SO4) | CHLO- RIDE, DIS- SOLVED (MG/L AS CL) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 27... | 44 | 240 | 280 | 70 | 25 | 140 | 5.2 | 183 | 140 | 180 |
| NOV | | | | | | | | | | |
| 19... | K650 | 1300 | 70 | 18 | 6.0 | 23 | 3.4 | 63 | 22 | 34 |
| DEC | | | | | | | | | | |
| 09... | 390 | 2600 | 57 | 17 | 3.5 | 13 | 2.8 | 52 | 13 | 16 |
| JAN 1988 | | | | | | | | | | |
| 12... | K65 | 110 | 100 | 29 | 7.0 | 30 | 2.8 | 49 | 45 | 41 |
| FEB | | | | | | | | | | |
| 02... | K38 | 120 | 130 | 35 | 9.5 | 46 | 3.4 | 73 | 64 | 69 |
| APR | | | | | | | | | | |
| 06... | 220 | 230 | 100 | 29 | 7.5 | 33 | 3.1 | 65 | 42 | 48 |
| 26... | 88 | 82 | 130 | 36 | 10 | 40 | 3.0 | 84 | 61 | 60 |
| MAY | | | | | | | | | | |
| 25... | K4 | K24 | 300 | 81 | 24 | 100 | 4.8 | 200 | 130 | 130 |
| JUN | | | | | | | | | | |
| 15... | K4 | K16 | 320 | 83 | 28 | 110 | 5.4 | 223 | 140 | 140 |
| JUL | | | | | | | | | | |
| 13... | K36 | 290 | 300 | 74 | 28 | 120 | 5.5 | 201 | 160 | 160 |
| AUG | | | | | | | | | | |
| 04... | <2 | 140 | 280 | 69 | 27 | 120 | 5.6 | 192 | 140 | 140 |
| SEP | | | | | | | | | | |
| 08... | K4 | 56 | 200 | 49 | 18 | 75 | 3.8 | 118 | 89 | 100 |

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal colony count).

## 07351930 RED RIVER AT GRAND ECORE, LA--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) | RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) | NITRO-GEN, NITRITE TOTAL (MG/L AS N) | NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) | NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) | NITRO-GEN, TOTAL (MG/L AS N) | PHOS-PHOROUS TOTAL (MG/L AS P) | PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) | CARBON, ORGANIC TOTAL (MG/L AS C) |
|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | |
| 27... | 725 | 57 | 0.01 | <0.02 | 1.1 | -- | 0.17 | 0.07 | 9.6 |
| NOV | | | | | | | | | |
| 19... | 195 | 543 | 0.05 | 0.33 | 0.98 | 1.3 | 0.36 | 0.17 | 14 |
| DEC | | | | | | | | | |
| 09... | 111 | 270 | 0.05 | 0.17 | 0.92 | 1.1 | 0.28 | 0.18 | 11 |
| JAN 1988 | | | | | | | | | |
| 12... | 199 | 644 | 0.02 | 0.17 | 0.84 | 1.0 | 0.33 | 0.12 | 11 |
| FEB | | | | | | | | | |
| 02... | 407 | 127 | 0.02 | 0.16 | 0.77 | 0.93 | 0.24 | 0.08 | 11 |
| APR | | | | | | | | | |
| 06... | 202 | 245 | 0.05 | 0.18 | 0.50 | 0.68 | 0.34 | 0.11 | 11 |
| 26... | 278 | 182 | 0.02 | 0.19 | 0.87 | 1.1 | 0.19 | 0.09 | 7.9 |
| MAY | | | | | | | | | |
| 25... | 614 | 83 | <0.01 | <0.02 | 0.83 | -- | 0.17 | 0.03 | 7.2 |
| JUN | | | | | | | | | |
| 15... | 660 | 20 | <0.01 | <0.02 | 1.2 | -- | 0.30 | 0.18 | 8.4 |
| JUL | | | | | | | | | |
| 13... | 724 | 37 | 0.01 | <0.02 | 1.0 | -- | 0.13 | 0.04 | 7.9 |
| AUG | | | | | | | | | |
| 04... | 633 | 17 | <0.01 | <0.02 | 1.5 | -- | 0.13 | 0.04 | 12 |
| SEP | | | | | | | | | |
| 08... | 409 | 74 | 0.01 | <0.02 | 1.3 | -- | 0.18 | 0.07 | 8.3 |

| DATE | ARSENIC TOTAL (UG/L AS AS) | BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE) | CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) | CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) | IRON, TOTAL RECOV-ERABLE (UG/L AS FE) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) | MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) |
|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | |
| 27... | 2 | <10 | <1 | <10 | 4 | 1000 | <5 | 150 |
| JAN 1988 | | | | | | | | |
| 12... | 2 | <10 | <1 | 20 | 10 | 8800 | 10 | 240 |
| APR | | | | | | | | |
| 26... | 1 | <10 | 1 | <10 | 7 | 4700 | 5 | 210 |
| JUL | | | | | | | | |
| 13... | 2 | <10 | <1 | <10 | 4 | 1000 | <5 | 260 |

| DATE | MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) | NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) | SELE-NIUM, TOTAL (UG/L AS SE) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) | CYANIDE TOTAL (MG/L AS CN) | PHENOLS TOTAL (UG/L) | OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L) |
|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | |
| 27... | <0.1 | 1 | <1 | 10 | <0.01 | 7 | 3 |
| JAN 1988 | | | | | | | |
| 12... | <0.1 | 10 | <1 | 40 | <0.01 | 12 | 2 |
| APR | | | | | | | |
| 26... | 0.1 | 6 | <1 | 20 | <0.01 | 4 | 2 |
| JUL | | | | | | | |
| 13... | 0.3 | 3 | <1 | 10 | <0.01 | 3 | 1 |

< Actual value is known to be less than the value shown.

## 07352000 SALINE BAYOU NEAR LUCKY, LA

LOCATION.--Lat 32°15'00", long 92°58'35", in SW 1/4 sec.27, T.15 N., R.6 W., Bienville Parish, Hydrologic Unit 11140208, near center of span on downstream side of bridge on State Highway 4, 0.7 mi downstream from Sixmile Creek, and 1.0 mi east of Lucky.

DRAINAGE AREA.--154 mi².

PERIOD OF RECORD.--June 1940 to current year.

REVISED RECORDS.--WSP 1177: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 152.65 ft above National Geodetic Vertical Datum of 1929. Prior to Feb. 28, 1949, nonrecording gage, Mar. 1, 1949 to Apr. 26, 1971, water-stage recorder, at same site and datum.

REMARKS.--Estimated daily discharges: Sept. 6-25. Records fair, except for period of indefinite stage-discharge relationship, Sept. 6-25, which were poor. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--48 years, 162 ft³/s, 14.29 in/yr, 117,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,500 ft³/s Jan. 1, 1945, gage height, 12.90 ft, from rating curve extended above 6,400 ft³/s on basis of records for Black Lake Bayou near Castor and Dugdemona River near Jonesboro; minimum discharge, 2.4 ft³/s Aug. 14, 1954; minimum gage height, 1.66 ft Aug. 7, 8, 1964.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 1,000 ft³/s and maximum (*):

| Date | Time | Discharge (ft³/s) | Gage height (ft) | Date | Time | Discharge (ft³/s) | Gage height (ft) |
|---|---|---|---|---|---|---|---|
| Dec. 29 | 0700 | *2,160 | *7.96 | Apr. 4 | 0200 | 1,580 | 7.47 |
| Mar. 11 | 0400 | 1,520 | 7.42 | | | | |

Minimum discharge, 5.2 ft³/s June 3, gage-height 2.55 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11 | 21 | 86 | 612 | 112 | 111 | 565 | 29 | 5.7 | 8.6 | 10 | 6.4 |
| 2 | 12 | 21 | 72 | 394 | 211 | 111 | 1000 | 26 | 5.4 | 8.1 | 8.8 | 5.8 |
| 3 | 11 | 21 | 64 | 296 | 384 | 221 | 1320 | 24 | 5.4 | 9.2 | 8.3 | 5.8 |
| 4 | 10 | 22 | 59 | 249 | 345 | 288 | 1420 | 22 | 5.9 | 13 | 7.5 | 6.5 |
| 5 | 10 | 23 | 54 | 210 | 276 | 288 | 915 | 20 | 6.4 | 37 | 7.9 | 5.9 |
| 6 | 10 | 24 | 59 | 181 | 217 | 233 | 610 | 19 | 7.9 | 68 | 7.9 | e5.6 |
| 7 | 10 | 25 | 128 | 180 | 169 | 165 | 349 | 18 | 11 | 41 | 7.5 | e5.6 |
| 8 | 11 | 27 | 136 | 173 | 142 | 232 | 233 | 17 | 13 | 24 | 7.0 | e5.5 |
| 9 | 11 | 63 | 111 | 168 | 128 | 668 | 177 | 16 | 14 | 15 | 7.0 | e5.5 |
| 10 | 11 | 104 | 93 | 157 | 120 | 927 | 143 | 16 | 16 | 12 | 8.1 | e5.5 |
| 11 | 11 | 94 | 76 | 148 | 115 | 1390 | 125 | 14 | 17 | 10 | 25 | e8.0 |
| 12 | 12 | 57 | 64 | 154 | 112 | 937 | 116 | 13 | 17 | 9.5 | 28 | e10 |
| 13 | 11 | 39 | 57 | 176 | 108 | 632 | 112 | 12 | 17 | 9.7 | 17 | e15 |
| 14 | 11 | 32 | 54 | 202 | 106 | 393 | 102 | 11 | 15 | 14 | 11 | e12 |
| 15 | 12 | 34 | 54 | 215 | 120 | 251 | 88 | 10 | 15 | 13 | 9.2 | e9.0 |
| 16 | 13 | 492 | 49 | 194 | 170 | 198 | 74 | 9.9 | 15 | 10 | 7.2 | e8.0 |
| 17 | 11 | 857 | 46 | 206 | 219 | 175 | 65 | 9.1 | 14 | 8.1 | 6.5 | e7.4 |
| 18 | 11 | 552 | 45 | 230 | 303 | 267 | 80 | 8.1 | 13 | 7.2 | 12 | e6.8 |
| 19 | 12 | 382 | 59 | 468 | 559 | 333 | 137 | 7.3 | 13 | 8.2 | 42 | e6.6 |
| 20 | 14 | 349 | 129 | 684 | 573 | 348 | 172 | 7.0 | 14 | 10 | 42 | e6.2 |
| 21 | 16 | 197 | 139 | 554 | 600 | 302 | 124 | 9.8 | 15 | 9.6 | 17 | e5.8 |
| 22 | 16 | 92 | 133 | 494 | 603 | 228 | 80 | 21 | 15 | 10 | 15 | e5.6 |
| 23 | 16 | 66 | 113 | 404 | 402 | 184 | 63 | 24 | 13 | 8.6 | 10 | e5.6 |
| 24 | 14 | 59 | 88 | 245 | 235 | 162 | 53 | 18 | 12 | 7.1 | 9.9 | e7.0 |
| 25 | 17 | 122 | 78 | 187 | 181 | 149 | 45 | 13 | 12 | 6.3 | 13 | e20 |
| 26 | 40 | 206 | 208 | 158 | 153 | 145 | 39 | 9.9 | 12 | 6.0 | 10 | 16 |
| 27 | 55 | 227 | 1350 | 137 | 138 | 176 | 34 | 9.5 | 12 | 7.2 | 15 | 15 |
| 28 | 43 | 221 | 1600 | 122 | 128 | 176 | 30 | 9.0 | 11 | 10 | 12 | 13 |
| 29 | 25 | 155 | 1990 | 113 | 120 | 157 | 27 | 8.0 | 10 | 11 | 9.4 | 12 |
| 30 | 20 | 109 | 1310 | 107 | --- | 269 | 30 | 7.0 | 9.2 | 10 | 8.0 | 13 |
| 31 | 18 | --- | 855 | 106 | --- | 501 | --- | 6.4 | --- | 11 | 7.1 | --- |
| TOTAL | 505 | 4693 | 9359 | 7924 | 7049 | 10617 | 8328 | 444.0 | 361.9 | 432.4 | 406.3 | 260.1 |
| MEAN | 16.3 | 156 | 302 | 256 | 243 | 342 | 278 | 14.3 | 12.1 | 13.9 | 13.1 | 8.67 |
| MAX | 55 | 857 | 1990 | 684 | 603 | 1390 | 1420 | 29 | 17 | 68 | 42 | 20 |
| MIN | 10 | 21 | 45 | 106 | 106 | 111 | 27 | 6.4 | 5.4 | 6.0 | 6.5 | 5.5 |
| AC-FT | 1000 | 9310 | 18560 | 15720 | 13980 | 21060 | 16520 | 881 | 718 | 858 | 806 | 516 |
| CFSM | .11 | 1.02 | 1.96 | 1.66 | 1.58 | 2.22 | 1.80 | .09 | .08 | .09 | .09 | .06 |
| IN. | .12 | 1.13 | 2.26 | 1.91 | 1.70 | 2.56 | 2.01 | .11 | .09 | .10 | .10 | .06 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| CAL YR 1987 | TOTAL 60490.7 | MEAN 166 | MAX 2420 | MIN 8.1 | AC-FT 120000 | CFSM 1.08 | IN. 14.61 |
| WTR YR 1988 | TOTAL 50379.7 | MEAN 138 | MAX 1990 | MIN 5.4 | AC-FT 99930 | CFSM .89 | IN. 12.17 |

e Estimated.

## 07352000 SALINE BAYOU NEAR LUCKY, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.34 | 3.17 | 4.28 | 6.41 | 4.56 | 4.55 | 6.33 | 3.41 | 2.59 | 2.71 | 3.07 | 2.95 |
| 2 | 3.34 | 3.17 | 4.10 | 5.97 | 5.24 | 4.55 | 6.94 | 3.34 | 2.57 | 2.69 | 3.03 | 2.92 |
| 3 | 3.32 | 3.16 | 3.98 | 5.72 | 5.95 | 5.37 | 7.26 | 3.28 | 2.56 | 2.73 | 3.04 | 2.92 |
| 4 | 3.31 | 3.18 | 3.89 | 5.53 | 5.85 | 5.70 | 7.34 | 3.22 | 2.60 | 2.90 | 3.04 | 2.96 |
| 5 | 3.31 | 3.22 | 3.82 | 5.31 | 5.65 | 5.70 | 6.86 | 3.16 | 2.62 | 3.53 | 3.10 | 2.92 |
| 6 | 3.30 | 3.25 | 3.89 | 5.14 | 5.35 | 5.44 | 6.48 | 3.12 | 2.69 | 4.15 | 3.13 | 2.93 |
| 7 | 3.30 | 3.27 | 4.71 | 5.13 | 5.05 | 5.02 | 6.00 | 3.09 | 2.83 | 3.64 | 3.14 | 2.97 |
| 8 | 3.31 | 3.33 | 4.78 | 5.08 | 4.84 | 5.28 | 5.61 | 3.08 | 2.91 | 3.24 | 3.15 | 3.02 |
| 9 | 3.33 | 3.93 | 4.55 | 5.04 | 4.71 | 6.49 | 5.29 | 3.05 | 2.95 | 2.97 | 3.17 | 3.04 |
| 10 | 3.34 | 4.48 | 4.36 | 4.96 | 4.64 | 6.84 | 5.04 | 3.03 | 2.99 | 2.84 | 3.21 | 3.09 |
| 11 | 3.34 | 4.37 | 4.15 | 4.88 | 4.59 | 7.31 | 4.89 | 2.98 | 3.02 | 2.79 | 3.64 | 3.15 |
| 12 | 3.34 | 3.86 | 3.99 | 4.93 | 4.56 | 6.87 | 4.80 | 2.94 | 3.04 | 2.75 | 3.70 | 3.20 |
| 13 | 3.34 | 3.55 | 3.87 | 5.10 | 4.52 | 6.44 | 4.76 | 2.90 | 3.02 | 2.76 | 3.45 | 3.24 |
| 14 | 3.34 | 3.42 | 3.81 | 5.27 | 4.50 | 5.96 | 4.66 | 2.85 | 2.97 | 2.92 | 3.29 | 3.23 |
| 15 | 3.36 | 3.45 | 3.82 | 5.34 | 4.64 | 5.54 | 4.47 | 2.83 | 2.95 | 2.90 | 3.25 | 3.22 |
| 16 | 3.38 | 5.87 | 3.74 | 5.21 | 5.04 | 5.24 | 4.28 | 2.81 | 2.98 | 2.77 | 3.18 | 3.22 |
| 17 | 3.22 | 6.78 | 3.69 | 5.29 | 5.36 | 5.09 | 4.13 | 2.78 | 2.93 | 2.69 | 3.14 | 3.23 |
| 18 | 3.05 | 6.30 | 3.67 | 5.43 | 5.67 | 5.61 | 4.36 | 2.74 | 2.91 | 2.64 | 3.33 | 3.22 |
| 19 | 2.98 | 5.94 | 3.87 | 6.10 | 6.32 | 5.82 | 4.98 | 2.71 | 2.90 | 2.68 | 3.93 | 3.23 |
| 20 | 2.91 | 5.86 | 4.72 | 6.53 | 6.35 | 5.86 | 5.25 | 2.69 | 2.92 | 2.78 | 3.92 | 3.23 |
| 21 | 3.00 | 5.21 | 4.81 | 6.31 | 6.39 | 5.73 | 4.86 | 2.81 | 2.98 | 2.75 | 3.45 | 3.24 |
| 22 | 3.00 | 4.35 | 4.76 | 6.20 | 6.40 | 5.42 | 4.37 | 3.20 | 2.95 | 2.78 | 3.41 | 3.22 |
| 23 | 3.00 | 4.00 | 4.57 | 5.99 | 5.98 | 5.16 | 4.10 | 3.29 | 2.90 | 2.71 | 3.28 | 3.21 |
| 24 | 2.89 | 3.90 | 4.30 | 5.50 | 5.45 | 5.00 | 3.91 | 3.10 | 2.87 | 2.63 | 3.27 | 3.23 |
| 25 | 3.03 | 4.61 | 4.19 | 5.17 | 5.13 | 4.89 | 3.76 | 2.93 | 2.86 | 2.62 | 3.35 | 3.34 |
| 26 | 3.56 | 5.29 | 4.94 | 4.96 | 4.92 | 4.86 | 3.63 | 2.81 | 2.87 | 2.63 | 3.27 | 3.33 |
| 27 | 3.87 | 5.41 | 7.26 | 4.79 | 4.80 | 5.10 | 3.52 | 2.79 | 2.85 | 2.73 | 3.38 | 3.29 |
| 28 | 3.67 | 5.38 | 7.49 | 4.66 | 4.72 | 5.10 | 3.43 | 2.76 | 2.82 | 2.91 | 3.28 | 3.22 |
| 29 | 3.30 | 4.94 | 7.83 | 4.57 | 4.64 | 4.94 | 3.35 | 2.72 | 2.77 | 2.97 | 3.16 | 3.20 |
| 30 | 3.13 | 4.53 | 7.24 | 4.51 | --- | 5.56 | 3.41 | 2.66 | 2.74 | 2.98 | 3.07 | 3.24 |
| 31 | 3.07 | --- | 6.77 | 4.50 | --- | 6.21 | --- | 2.63 | --- | 3.06 | 3.00 | --- |
| MAX | 3.87 | 6.78 | 7.83 | 6.53 | 6.40 | 7.31 | 7.34 | 3.41 | 3.04 | 4.15 | 3.93 | 3.34 |
| MIN | 2.89 | 3.16 | 3.67 | 4.50 | 4.50 | 4.55 | 3.35 | 2.63 | 2.56 | 2.62 | 3.00 | 2.92 |

## 07352800 GRAND BAYOU NEAR COUSHATTA, LA

LOCATION.--Lat 32°02'55", long 93°18'10", in SW 1/4 SW 1/4 sec.4, T.12 N., R.9 W., Red River Parish, Hydrologic Unit 11140209, near right bank on downstream side of bridge on State Highway 155, 0.5 mi upstream from Carroll Creek, and 3.3 mi north of Coushatta.

DRAINAGE AREA.--93.9 $mi^2$.

PERIOD OF RECORD.--October 1956 to September 1977. June 1979 to current year.

GAGE.--Water-stage recorder. Datum of gage is 136.26 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges. Records fair between 100 and 200 $ft^3/s$, poor below and good above. Indefinite stage-discharge relationships: May 3 to June 7 and Aug. 17, 18.

AVERAGE DISCHARGE.--30 years (water years 1957-77, 1980-88), 90.2 $ft^3/s$, 13.04 in/yr, 65,350 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,920 $ft^3/s$ Sept. 21, 1958, gage height, 11.47 ft; no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 700 $ft^3/s$ and maximum (*):

| Date | Time | Discharge ($ft^3/s$) | Gage height (ft) | Date | Time | Discharge ($ft^3/s$) | Gage height (ft) |
|---|---|---|---|---|---|---|---|
| Dec. 28 | 1230 | 2,000 | 9.10 | Mar. 8 | 2400 | 923 | 8.22 |
| Feb. 20 | 1030 | 1,040 | 8.35 | Apr. 3 | 0100 | *3,100 | *9.75 |

Minimum, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .00 | .00 | 14 | 466 | 21 | 32 | 608 | 3.1 | e.01 | .00 | .00 | .23 |
| 2 | .00 | .00 | 8.1 | 293 | 41 | 42 | 2240 | 3.3 | e.01 | .00 | .00 | .18 |
| 3 | .00 | .00 | 4.7 | 183 | 295 | 250 | 2480 | e3.0 | e.00 | .00 | .00 | .07 |
| 4 | .00 | .00 | 3.6 | 119 | 333 | 192 | 1310 | e2.5 | e.00 | .00 | .00 | .18 |
| 5 | .00 | .00 | 3.0 | 92 | 216 | 106 | 764 | e2.0 | e.00 | .00 | .00 | .00 |
| 6 | .00 | .00 | 3.7 | 66 | 110 | 61 | 467 | e2.5 | e.00 | .00 | .00 | .00 |
| 7 | .00 | .00 | 41 | 59 | 61 | 41 | 158 | e3.0 | e.00 | .00 | .00 | .00 |
| 8 | .00 | .00 | 103 | 74 | 44 | 233 | 71 | e2.5 | .00 | .00 | .00 | .00 |
| 9 | .00 | .01 | 93 | 78 | 36 | 770 | 47 | e2.0 | .00 | .00 | .00 | .00 |
| 10 | .00 | .02 | 51 | 76 | 31 | 671 | 32 | e1.5 | .00 | .00 | .00 | .00 |
| 11 | .00 | .01 | 29 | 82 | 28 | 520 | 24 | e1.0 | .00 | .00 | 2.4 | .00 |
| 12 | .00 | .01 | 17 | 74 | 26 | 232 | 20 | e.90 | .00 | .00 | 3.3 | .00 |
| 13 | .00 | .00 | 11 | 70 | 25 | 87 | 17 | e.80 | .00 | .00 | 2.0 | .00 |
| 14 | .00 | .0 | 7.4 | 73 | 26 | 62 | 16 | e.70 | .00 | .00 | 1.5 | .00 |
| 15 | .00 | .01 | 5.0 | 64 | 26 | 44 | 15 | e.60 | .00 | .00 | 1.3 | .00 |
| 16 | .00 | 114 | 4.6 | 49 | 45 | 31 | 12 | e.50 | .00 | .00 | 1.1 | .00 |
| 17 | .00 | 366 | 4.0 | 71 | 89 | 30 | 9.0 | e.40 | .00 | .00 | e1.2 | .00 |
| 18 | .00 | 387 | 3.3 | 132 | 330 | 411 | 6.8 | e.30 | .00 | .00 | e1.3 | .00 |
| 19 | .00 | 244 | 6.1 | 349 | 797 | 529 | 5.5 | e.20 | .00 | .00 | .82 | .00 |
| 20 | .00 | 45 | 80 | 483 | 1010 | 516 | 13 | e.15 | .00 | .00 | .31 | .00 |
| 21 | .00 | 14 | 186 | 592 | 871 | 370 | 14 | e.10 | .00 | .00 | 3.3 | .00 |
| 22 | .00 | 6.0 | 132 | 603 | 653 | 129 | 11 | e.09 | .00 | .00 | 1.6 | .00 |
| 23 | .00 | 3.7 | 65 | 410 | 333 | 66 | 7.7 | e.08 | .00 | .00 | 1.0 | .00 |
| 24 | .00 | 3.5 | 37 | 122 | 95 | 48 | 5.1 | e.07 | .00 | .00 | .65 | .00 |
| 25 | .00 | 38 | 26 | 62 | 58 | 40 | 3.4 | e.06 | .00 | .00 | .35 | .00 |
| 26 | .0 | 203 | 71 | 46 | 43 | 36 | 2.9 | e.05 | .00 | .00 | .31 | .00 |
| 27 | .0 | 191 | 1260 | 34 | 35 | 31 | 2.4 | e.04 | .00 | .00 | .26 | .00 |
| 28 | .00 | 93 | 1920 | 28 | 36 | 25 | 1.8 | e.03 | .00 | .00 | .31 | .00 |
| 29 | .00 | 44 | 1490 | 24 | 38 | 32 | 1.8 | e.02 | .00 | .00 | .34 | .00 |
| 30 | .00 | 23 | 1030 | 21 | --- | 279 | 2.3 | e.02 | .00 | .00 | .26 | .00 |
| 31 | .00 | --- | 718 | 21 | --- | 541 | --- | e.01 | --- | .00 | .18 | --- |
| TOTAL | 0.00 | 1775.26 | 7427.5 | 4916 | 5752 | 6457 | 8367.7 | 31.52 | 0.02 | 0.00 | 23.79 | 0.66 |
| MEAN | .00 | 59.2 | 240 | 159 | 198 | 208 | 279 | 1.02 | .001 | .00 | .77 | .022 |
| MAX | .00 | 387 | 1920 | 603 | 1010 | 770 | 2480 | 3.3 | .01 | .00 | 3.3 | .23 |
| MIN | .00 | .00 | 3.0 | 21 | 21 | 25 | 1.8 | .01 | .00 | .00 | .00 | .00 |
| AC-FT | .0 | 3520 | 14730 | 9750 | 11410 | 12810 | 16600 | 63 | .04 | .0 | 47 | 1.3 |
| CFSM | .00 | .63 | 2.55 | 1.69 | 2.11 | 2.22 | 2.97 | .01 | .00 | .00 | .01 | .00 |
| IN. | .00 | .70 | 2.94 | 1.95 | 2.28 | 2.56 | 3.31 | .01 | .00 | .00 | .01 | .00 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| CAL YR 1987 | TOTAL 40921.01 | MEAN 112 | MAX 2440 | MIN .00 | AC-FT 81170 | CFSM 1.19 | IN. 16.21 |
| WTR YR 1988 | TOTAL 34751.45 | MEAN 94.9 | MAX 2480 | MIN .00 | AC-FT 68930 | CFSM 1.01 | IN. 13.77 |

e Estimated.

## 07352800 GRAND BAYOU NEAR COUSHATTA, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .77 | .79 | 2.11 | 7.22 | 2.39 | 2.74 | 7.68 | 1.52 | 1.90 | 1.26 | 1.13 | 1.77 |
| 2 | .76 | .78 | 1.85 | 6.20 | 2.91 | 2.90 | 9.23 | 1.57 | 1.87 | 1.21 | 1.10 | 1.76 |
| 3 | .74 | .78 | 1.63 | 5.25 | 6.20 | 5.86 | 9.39 | 1.58 | 1.87 | 1.17 | 1.11 | 1.74 |
| 4 | .73 | .78 | 1.54 | 4.49 | 6.52 | 5.34 | 8.59 | 1.60 | 1.85 | 1.17 | 1.09 | 1.77 |
| 5 | .73 | .78 | 1.48 | 4.08 | 5.56 | 4.29 | 7.98 | 1.59 | 1.82 | 1.18 | 1.08 | 1.71 |
| 6 | .72 | .78 | 1.52 | 3.55 | 4.34 | 3.43 | 7.17 | 1.62 | 1.78 | 1.23 | 1.04 | 1.66 |
| 7 | .71 | .79 | 2.89 | 3.39 | 3.43 | 2.98 | 4.92 | 1.65 | 1.74 | 1.27 | 1.01 | 1.60 |
| 8 | .71 | .80 | 4.26 | 3.73 | 3.04 | 4.56 | 3.67 | 1.69 | 1.71 | 1.28 | .96 | 1.54 |
| 9 | .70 | .91 | 4.07 | 3.81 | 2.84 | 7.99 | 3.12 | 1.73 | 1.69 | 1.29 | .92 | 1.49 |
| 10 | .70 | .98 | 3.22 | 3.77 | 2.71 | 7.82 | 2.74 | 1.77 | 1.69 | 1.28 | 1.02 | 1.44 |
| 11 | .69 | .95 | 2.65 | 3.90 | 2.62 | 7.43 | 2.50 | 1.80 | 1.66 | 1.28 | 1.86 | 1.47 |
| 12 | .68 | .93 | 2.24 | 3.72 | 2.55 | 5.64 | 2.35 | 1.82 | 1.62 | 1.27 | 2.01 | 1.45 |
| 13 | .68 | .92 | 1.96 | 3.64 | 2.52 | 3.97 | 2.26 | 1.84 | 1.61 | 1.26 | 1.86 | 1.42 |
| 14 | .67 | .91 | 1.81 | 3.70 | 2.53 | 3.45 | 2.20 | 1.87 | 1.62 | 1.24 | 1.79 | 1.40 |
| 15 | .67 | .92 | 1.66 | 3.51 | 2.55 | 3.04 | 2.14 | 1.87 | 1.64 | 1.20 | 1.75 | 1.40 |
| 16 | .67 | 3.67 | 1.63 | 3.17 | 3.03 | 2.69 | 2.01 | 1.88 | 1.64 | 1.16 | 1.75 | 1.49 |
| 17 | .66 | 6.77 | 1.57 | 3.64 | 4.02 | 2.65 | 1.89 | 1.85 | 1.60 | 1.12 | 1.77 | 1.53 |
| 18 | .66 | 6.91 | 1.51 | 4.68 | 5.81 | 6.89 | 1.78 | 1.86 | 1.59 | 1.09 | 1.78 | 1.53 |
| 19 | .66 | 5.73 | 1.67 | 6.43 | 8.04 | 7.49 | 1.69 | 1.90 | 1.60 | 1.22 | 1.75 | 1.52 |
| 20 | .65 | 3.03 | 3.71 | 7.33 | 8.32 | 7.45 | 2.06 | 1.95 | 1.60 | 1.28 | 1.65 | 1.51 |
| 21 | .65 | 2.12 | 5.29 | 7.65 | 8.15 | 6.72 | 2.13 | 1.98 | 1.60 | 1.27 | 2.18 | 1.50 |
| 22 | .64 | 1.72 | 4.65 | 7.67 | 7.77 | 4.59 | 1.97 | 2.02 | 1.61 | 1.25 | 2.00 | 1.47 |
| 23 | .64 | 1.54 | 3.53 | 6.92 | 6.40 | 3.55 | 1.83 | 2.04 | 1.57 | 1.22 | 1.89 | 1.45 |
| 24 | .64 | 1.53 | 2.87 | 4.47 | 4.09 | 3.13 | 1.66 | 2.07 | 1.52 | 1.18 | 1.83 | 1.45 |
| 25 | .64 | 2.65 | 2.56 | 3.45 | 3.36 | 2.93 | 1.51 | 2.09 | 1.50 | 1.14 | 1.78 | 1.43 |
| 26 | .82 | 5.43 | 3.27 | 3.09 | 3.01 | 2.83 | 1.47 | 2.08 | 1.47 | 1.14 | 1.77 | 1.41 |
| 27 | .89 | 5.33 | 8.49 | 2.78 | 2.82 | 2.70 | 1.40 | 2.06 | 1.44 | 1.18 | 1.77 | 1.39 |
| 28 | .86 | 4.05 | 9.05 | 2.60 | 2.83 | 2.53 | 1.31 | 2.03 | 1.39 | 1.25 | 1.78 | 1.38 |
| 29 | .83 | 3.03 | 8.74 | 2.47 | 2.88 | 2.67 | 1.31 | 2.00 | 1.34 | 1.24 | 1.79 | 1.39 |
| 30 | .81 | 2.45 | 8.33 | 2.39 | --- | 6.02 | 1.40 | 1.97 | 1.29 | 1.22 | 1.77 | 1.43 |
| 31 | .80 | --- | 7.90 | 2.38 | --- | 7.51 | --- | 1.93 | --- | 1.18 | 1.76 | --- |
| MAX | .89 | 6.91 | 9.05 | 7.67 | 8.32 | 7.99 | 9.39 | 2.09 | 1.90 | 1.29 | 2.18 | 1.77 |
| MIN | .64 | .78 | 1.48 | 2.38 | 2.39 | 2.53 | 1.31 | 1.52 | 1.29 | 1.09 | .92 | 1.38 |

## 07352895 BLACK LAKE BAYOU NEAR CLARENCE, LA

LOCATION.--Lat 31°52'24", long 92°58'00", in NW 1/4 SE 1/4 sec.3, T.10 N., R.6 W., Natchitoches Parish, Hydrologic Unit 11140209, on downstream side of bridge on State Highway 1226, 1.8 mi northeast of Chivery Dam, 2.8 mi upstream from Allen Dam, and 5.0 mi northeast of Clarence.

DRAINAGE AREA.--908 mi² (see REMARKS).

PERIOD OF RECORD.--December 1969 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 88.49 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1980, at datum 6.00 ft higher.

REMARKS.--Drainage area does not include 412 mi² of Saline Lake. Flows are interchangeable between Black and Saline Lakes, combined usable capacity, 161,000 acre acre-ft. Considerable regulation by Chivery Dam. Lakes are used for recreation.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 20.25 ft Jan. 1, 1983; minimum, not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 15.02 ft Jan. 5; minimum, not determined.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.92 | 8.83 | 11.40 | 14.53 | 12.60 | 12.12 | --- | 10.84 | 9.45 | --- | 9.06 | 9.20 |
| 2 | 8.91 | 8.83 | 11.31 | 14.70 | 12.49 | --- | --- | 10.74 | 9.43 | --- | 9.09 | 9.20 |
| 3 | 8.89 | 8.83 | 11.23 | 14.85 | 12.35 | --- | --- | 10.68 | 9.41 | --- | 9.09 | 9.22 |
| 4 | 8.86 | 8.83 | 11.15 | 14.98 | 12.25 | --- | --- | 10.61 | 9.41 | --- | 9.13 | 9.24 |
| 5 | 8.84 | 8.83 | 11.06 | 15.01 | 12.15 | --- | --- | 10.52 | 9.37 | --- | 9.13 | 9.21 |
| 6 | 8.85 | 8.82 | 11.01 | 14.97 | 12.08 | --- | --- | 10.44 | 9.35 | --- | 9.13 | 9.19 |
| 7 | 8.83 | 8.80 | 11.12 | 14.97 | 12.00 | --- | --- | 10.36 | 9.33 | --- | 9.12 | 9.16 |
| 8 | 8.80 | 8.81 | 11.14 | --- | 11.93 | --- | --- | 10.28 | 9.31 | --- | 9.10 | 9.14 |
| 9 | 8.79 | 8.96 | 11.12 | --- | 11.85 | --- | --- | 10.24 | 9.29 | --- | 9.08 | 9.13 |
| 10 | 8.79 | 9.01 | 11.08 | --- | 11.76 | --- | --- | 10.20 | 9.26 | --- | 9.07 | 9.12 |
| 11 | 8.79 | 8.98 | 11.04 | --- | 11.73 | --- | --- | 10.14 | 9.23 | --- | 9.22 | 9.11 |
| 12 | 8.78 | 8.98 | 10.99 | --- | 11.61 | --- | --- | 10.08 | 9.20 | --- | 9.26 | 9.11 |
| 13 | 8.75 | 8.99 | 10.92 | 13.67 | 11.52 | --- | --- | 10.03 | 9.18 | --- | 9.25 | 9.10 |
| 14 | 8.73 | 9.00 | 10.87 | 13.40 | 11.43 | --- | --- | 9.98 | 9.16 | --- | 9.25 | 9.10 |
| 15 | 8.72 | 9.01 | 10.83 | 13.16 | 11.39 | --- | --- | 9.94 | 9.15 | --- | 9.26 | 9.10 |
| 16 | 8.71 | 10.42 | 10.73 | 12.94 | 11.27 | --- | --- | 9.89 | 9.14 | --- | 9.24 | 9.15 |
| 17 | 8.71 | 11.59 | 10.66 | 12.83 | 11.20 | --- | --- | 9.85 | 9.12 | --- | 9.23 | 9.14 |
| 18 | 8.71 | 11.85 | 10.60 | 12.68 | 1.29 | --- | --- | 9.80 | 9.11 | --- | 9.27 | 9.15 |
| 19 | 8.70 | 11.92 | 10.58 | 12.80 | 11.54 | --- | --- | 9.75 | 9.09 | --- | 9.27 | 9.14 |
| 20 | 8.71 | 11.91 | 10.69 | 13.14 | 11.71 | --- | --- | 9.71 | 9.08 | 9.13 | 9.26 | 9.13 |
| 21 | 8.68 | 11.87 | 10.71 | 13.27 | 11.89 | --- | --- | 9.72 | 9.06 | 9.15 | 9.27 | 9.12 |
| 22 | 8.66 | 11.82 | 10.72 | 13.28 | 12.05 | --- | --- | 9.75 | 9.05 | 9.13 | 9.29 | 9.11 |
| 23 | 8.66 | 11.75 | 10.72 | 13.23 | 12.22 | --- | 11.64 | 9.72 | 9.03 | 9.11 | 9.30 | 9.10 |
| 24 | 8.66 | 11.67 | 10.73 | 13.21 | 12.29 | --- | 11.52 | 9.69 | 9.02 | 9.10 | 9.31 | 9.09 |
| 25 | 8.68 | 11.68 | 10.73 | 13.18 | 12.30 | --- | 11.42 | 9.65 | 9.04 | 9.08 | 9.31 | 9.08 |
| 26 | 8.78 | 11.72 | 10.79 | 13.13 | 12.28 | --- | 11.32 | 9.61 | 9.04 | 9.07 | 9.30 | 9.06 |
| 27 | 8.83 | 11.68 | 11.65 | 13.10 | 12.25 | --- | 11.22 | 9.57 | 9.03 | 9.08 | 9.29 | 9.04 |
| 28 | 8.82 | 11.63 | 12.73 | 13.04 | 12.23 | --- | 11.11 | 9.54 | 9.02 | 9.09 | 9.28 | 9.02 |
| 29 | 8.91 | 11.55 | 13.39 | 12.95 | 12.18 | --- | 11.01 | 9.51 | --- | 9.08 | 9.26 | 9.02 |
| 30 | 8.81 | 11.49 | 13.86 | 12.85 | --- | --- | 10.93 | 9.48 | --- | 9.07 | 9.24 | 9.04 |
| 31 | 8.82 | --- | 14.23 | 12.73 | --- | --- | --- | 9.46 | --- | 9.06 | 9.22 | --- |
| MAX | 8.92 | 11.92 | 14.23 | 15.01 | 12.60 | --- | --- | 10.84 | 9.45 | --- | 9.31 | 9.24 |
| MIN | 8.66 | 8.80 | 10.58 | 12.68 | 11.20 | --- | 10.93 | 9.46 | --- | --- | 9.06 | 9.02 |

## 07353520 NANTACHIE LAKE NEAR ALOHA, LA

LOCATION.--Lat 31°37'00", long 92°47'04", in SE 1/4 NW 1/4 sec.4, T.7 N., R.4 W., Grant Parish, Hydrologic Unit 11140207, at dam 2.0 mi upstream from mouth, and 2.5 mi northwest of Aloha.

DRAINAGE AREA.--80.4 $mi^2$.

PERIOD OF RECORD.--February 1969 to September 1979. October 1979 to current year (gage heights only).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 92.28 ft above National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development).

REMARKS.--No gage heights recorded below 2.14 ft. Reservoir is formed on Nantachie Creek by earthfill dam, completed in 1964. Storage began Oct. 19, 1964. The dam contains a 150-ft concrete spillway. The crest of the spillway is 3.05 ft gage height. Draw-down structure consists of one 5- by 5-ft metal sluice gate that can be varied from -16.78 to -11.78 ft gage height. Area of lake is 1,580 acres, usable capacity, 11,200 acre-ft at 3.05 ft gage height. Reservoir is used for recreation.

AVERAGE DISCHARGE.--9 years (water years 1970-72, 1974-79), 72.6 $ft^3/s$, 52,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,200 $ft^3/s$ Dec. 27, 1982, gage height, 9.39 ft; no flow at times most years. Reverse flow possible May 1973.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 6.31 ft Nov. 17; minimum, 2.60 ft June 19.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.11 | 2.94 | 3.36 | 3.83 | 3.27 | 3.30 | 4.12 | 3.12 | 2.86 | 2.65 | 2.77 | 3.00 |
| 2 | 3.10 | 2.94 | 3.32 | 3.74 | 3.31 | 3.35 | 4.44 | 3.11 | 2.84 | 2.63 | 2.75 | 2.99 |
| 3 | 3.09 | 2.93 | 3.29 | 3.66 | 3.32 | 3.91 | 4.64 | 3.11 | 2.85 | 2.62 | 2.76 | 3.03 |
| 4 | 3.06 | 2.93 | 3.27 | 3.60 | 3.33 | 3.98 | 4.41 | 3.11 | 2.86 | 2.65 | 2.76 | 3.08 |
| 5 | 3.05 | 2.93 | 3.24 | 3.53 | 3.33 | 3.95 | 4.12 | 3.09 | 2.84 | 2.77 | 2.77 | 3.07 |
| 6 | 3.04 | 2.91 | 3.24 | 3.48 | 3.31 | 3.88 | 3.92 | 3.08 | 2.83 | 2.87 | 2.78 | 3.05 |
| 7 | 3.03 | 2.89 | 3.47 | 3.57 | 3.29 | 3.73 | 3.75 | 3.06 | 2.82 | 2.89 | 2.77 | 3.03 |
| 8 | 3.00 | 2.91 | 3.60 | 3.62 | 3.28 | 3.64 | 3.63 | 3.04 | 2.80 | 2.90 | 2.75 | 3.01 |
| 9 | 2.99 | 3.01 | 3.59 | 3.63 | 3.27 | 3.68 | 3.54 | 3.05 | 2.79 | 2.90 | 2.73 | 3.00 |
| 10 | 2.99 | 3.05 | 3.51 | 3.59 | 3.25 | 3.67 | 3.48 | 3.05 | 2.77 | 2.90 | 2.74 | 3.00 |
| 11 | 2.98 | 3.04 | 3.43 | 3.52 | 3.27 | 3.66 | 3.41 | 3.04 | 2.74 | 2.92 | 2.87 | 3.01 |
| 12 | 2.97 | 3.03 | 3.37 | 3.47 | 3.25 | 3.62 | 3.36 | 3.03 | 2.71 | 2.91 | 2.95 | 3.01 |
| 13 | 2.94 | 3.03 | 3.31 | 3.45 | 3.25 | 3.53 | 3.32 | 3.02 | 2.69 | 2.90 | 2.97 | 3.00 |
| 14 | 2.93 | 3.03 | 3.28 | 3.42 | 3.25 | 3.45 | 3.29 | 3.01 | 2.68 | 2.89 | 2.97 | 3.00 |
| 15 | 2.91 | 3.10 | 3.25 | 3.39 | 3.32 | 3.38 | 3.26 | 3.00 | 2.67 | 2.88 | 2.96 | 2.99 |
| 16 | 2.91 | 5.03 | 3.22 | 3.39 | 3.31 | 3.34 | 3.24 | 2.99 | 2.65 | 2.87 | 2.95 | 2.99 |
| 17 | 2.90 | 6.24 | 3.20 | 3.48 | 3.31 | 3.33 | 3.21 | 2.97 | 2.64 | 2.87 | 2.94 | 2.99 |
| 18 | 2.90 | 5.52 | 3.18 | 3.54 | 3.49 | 3.63 | 3.21 | 2.96 | 2.62 | 2.86 | 2.99 | 2.98 |
| 19 | 2.90 | 4.70 | 3.22 | 3.72 | 3.76 | 3.77 | 3.20 | 2.94 | 2.62 | 2.86 | 3.10 | 2.97 |
| 20 | 2.90 | 4.23 | 3.45 | 3.83 | 3.80 | 3.80 | 3.18 | 2.92 | 2.68 | 2.88 | 3.13 | 2.97 |
| 21 | 2.88 | 3.97 | 3.57 | 3.72 | 3.78 | 3.76 | 3.17 | 2.95 | 2.68 | 2.91 | 3.13 | 2.96 |
| 22 | 2.85 | 3.79 | 3.58 | 3.63 | 3.71 | 3.64 | 3.16 | 2.99 | 2.67 | 2.90 | 3.12 | 2.95 |
| 23 | 2.84 | 3.67 | 3.54 | 3.53 | 3.63 | 3.54 | 3.17 | 2.99 | 2.66 | 2.88 | 3.11 | 2.94 |
| 24 | 2.84 | 3.58 | 3.50 | 3.46 | 3.53 | 3.46 | 3.16 | 2.98 | 2.65 | 2.87 | 3.10 | 2.92 |
| 25 | 2.85 | 3.56 | 3.46 | 3.41 | 3.45 | 3.64 | 3.15 | 2.97 | 2.72 | 2.85 | 3.10 | 2.91 |
| 26 | 2.92 | 3.56 | 3.49 | 3.35 | 3.40 | 3.76 | 3.14 | 2.95 | 2.72 | 2.83 | 3.08 | 2.90 |
| 27 | 2.96 | 3.53 | 4.37 | 3.32 | 3.37 | 3.76 | 3.14 | 2.93 | 2.71 | 2.81 | 3.07 | 2.88 |
| 28 | 2.95 | 3.50 | 4.56 | 3.29 | 3.34 | 3.70 | 3.13 | 2.91 | 2.70 | 2.80 | 3.06 | 2.86 |
| 29 | 2.94 | 3.46 | 4.34 | 3.27 | 3.32 | 3.62 | 3.12 | 2.90 | 2.69 | 2.79 | 3.05 | 2.85 |
| 30 | 2.94 | 3.41 | 4.12 | 3.26 | --- | 3.83 | 3.13 | 2.88 | 2.67 | 2.77 | 3.03 | 2.86 |
| 31 | 2.94 | --- | 3.94 | 3.26 | --- | 4.08 | --- | 2.87 | --- | 2.78 | 3.01 | --- |
| MAX | 3.11 | 6.24 | 4.56 | 3.83 | 3.80 | 4.08 | 4.64 | 3.12 | 2.86 | 2.92 | 3.13 | 3.08 |
| MIN | 2.84 | 2.89 | 3.18 | 3.26 | 3.25 | 3.30 | 3.12 | 2.87 | 2.62 | 2.62 | 2.73 | 2.85 |

## 07354100 KISATCHIE BAYOU AT LOTUS, LA

LOCATION.--Lat 31°29'04", long 93°08'19", NW 1/4 SE 1/4 sec.24, T.6 N., R.8 W., Natchitoches Parish, Hydrologic Unit 11140207, at right bank on downstream side of bridge on unnumbered parish road, 0.5 mi west of Lotus, 1.2 mi downstream from Sheard Branch, and 4.8 mi southeast of Bellwood.

DRAINAGE AREA.--140 mi².

PERIOD OF RECORD.--Occasional low-flow measurements water years 1956-63 (published as "near Bellwood"). December 1979 to current year. Gage-height records and discharge measurements December 1938 to July 1942 and January 1956 to September 1979 are in reports of Corps of Engineers, New Orleans district.

REVISED RECORDS.--WRD LA-82-1: 1982 (P).

GAGE.--Water-stage recorder. Datum of gage is 123.57 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to January 1956 at datum 1.24 ft higher.

REMARKS.--Estimated daily discharges. Records fair.

AVERAGE DISCHARGE.--8 years, 194 ft³/s, 18.82 in/yr, 140,600 acre-ft/yr.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 30, 1939, reached a stage of 19.3 ft, present datum.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 33,700 ft³/s Dec. 27, 1983, gage height, 18.17 ft, from rating curve extended above 8,960 ft³/s on basis of contracted-opening measurement at gage height 18.17 ft; minimum 2.8 ft³/s Oct. 4, 5, 6, 7, 1982; minimum gage height, 1.94 ft Oct. 6, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 4,000 ft³/s and maximum (*):

| Date | Time | Discharge (ft³/s) | Gage height (ft) | Date | Time | Discharge (ft³/s) | Gage height (ft) |
|---|---|---|---|---|---|---|---|
| Nov. 16 | 2215 | *7,690 | *16.14 | Mar. 3 | 0730 | 5,740 | 15.91 |
| Dec. 27 | 1045 | 6,820 | 16.21 | Mar. 16 | 0945 | 4,060 | 15.25 |

Minimum discharge, 3.8 ft³/s Sept. 30; minimum gage height, 2.56 ft Oct. 23, 24, but may have been less during period of no gage-height record, Oct. 18-22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11 | 11 | 116 | 445 | 88 | 71 | 627 | 48 | 14 | 9.3 | 64 | 6.7 |
| 2 | 10 | 10 | 95 | 508 | 129 | 148 | 2130 | 42 | 13 | 8.7 | 26 | 6.5 |
| 3 | 9.8 | 9.6 | 82 | 256 | 137 | 3830 | 705 | 36 | 33 | 8.1 | 22 | 6.7 |
| 4 | 9.3 | 9.2 | 75 | 198 | 115 | 676 | 361 | 33 | 113 | 8.6 | 30 | 7.8 |
| 5 | 9.0 | 8.8 | 68 | 161 | 117 | 321 | 259 | 31 | 43 | 29 | 20 | 7.9 |
| 6 | 8.9 | 8.4 | 76 | 141 | 165 | 219 | 237 | 29 | 24 | 48 | 16 | 7.1 |
| 7 | 8.9 | 8.3 | 2310 | 693 | 141 | 174 | 206 | 27 | 18 | 99 | 11 | 6.5 |
| 8 | 8.9 | 9.1 | 667 | 626 | 105 | 285 | 163 | 27 | 16 | 103 | 9.6 | 6.0 |
| 9 | 8.7 | 39 | 286 | 286 | 92 | 1320 | 145 | 27 | 14 | 39 | 8.6 | 5.7 |
| 10 | 8.6 | 75 | 178 | 200 | 83 | 440 | 132 | 26 | 13 | 22 | 8.6 | 5.7 |
| 11 | 8.6 | 35 | 140 | 159 | 79 | 250 | 124 | 24 | 12 | 18 | 128 | 6.9 |
| 12 | 8.4 | 24 | 123 | 157 | 75 | 190 | 120 | 23 | 11 | 20 | 241 | 7.0 |
| 13 | 8.2 | 18 | 107 | 191 | 70 | 158 | 111 | 21 | 11 | 15 | 63 | 6.8 |
| 14 | 8.1 | 16 | 95 | 210 | 68 | 136 | 99 | 21 | 11 | 13 | 27 | 6.2 |
| 15 | 8.1 | 16 | 87 | 151 | 202 | 121 | 88 | 20 | 10 | 11 | 18 | 5.8 |
| 16 | 8.1 | 3330 | 78 | 132 | 206 | 114 | 81 | 19 | 9.9 | 10 | 14 | 6.0 |
| 17 | 8.1 | 6170 | 73 | 320 | 113 | 118 | 76 | 18 | 9.6 | 9.9 | 11 | 6.8 |
| 18 | e8.1 | 573 | 70 | 392 | 674 | 2510 | 74 | 18 | 9.4 | 9.5 | 11 | 8.3 |
| 19 | e8.0 | 260 | 106 | 243 | 1250 | 686 | 69 | 17 | 9.7 | 9.9 | 10 | 8.3 |
| 20 | e8.0 | 184 | 1060 | 463 | 379 | 329 | 62 | 16 | 19 | 25 | 9.7 | 7.2 |
| 21 | e8.0 | 151 | 735 | 218 | 210 | 233 | 59 | 37 | 16 | 50 | 9.9 | 6.3 |
| 22 | e7.9 | 132 | 429 | 141 | 152 | 186 | 56 | 84 | 14 | 22 | 13 | 5.6 |
| 23 | 7.9 | 120 | 232 | 118 | 129 | 161 | 54 | 59 | 12 | 14 | 14 | 5.2 |
| 24 | 7.9 | 111 | 173 | 110 | 112 | 153 | 53 | 34 | 9.9 | 11 | 11 | 4.9 |
| 25 | 8.4 | 552 | 154 | 102 | 95 | 377 | 49 | 23 | 15 | 9.6 | 10 | 4.7 |
| 26 | 21 | 1430 | 370 | 90 | 87 | 436 | 45 | 19 | 22 | 8.7 | 9.3 | 4.5 |
| 27 | 84 | 359 | 5380 | 82 | 80 | 218 | 41 | 17 | 16 | 8.8 | 8.2 | 4.3 |
| 28 | 43 | 480 | 1770 | 78 | 79 | 155 | 38 | 16 | 15 | 8.9 | 7.7 | 4.1 |
| 29 | 23 | 239 | 508 | 76 | 77 | 177 | 36 | 15 | 13 | 8.4 | 7.1 | 3.9 |
| 30 | 16 | 147 | 301 | 76 | --- | 1290 | 43 | 15 | 10 | 8.1 | 7.0 | 3.9 |
| 31 | 13 | --- | 243 | 81 | --- | 1870 | --- | 14 | --- | 42 | 6.8 | --- |
| TOTAL | 414.9 | 14535.4 | 16187 | 7104 | 5309 | 17352 | 6343 | 856 | 556.5 | 707.5 | 852.5 | 183.3 |
| MEAN | 13.4 | 485 | 522 | 229 | 183 | 560 | 211 | 27.6 | 18.5 | 22.8 | 27.5 | 6.11 |
| MAX | 84 | 6170 | 5380 | 693 | 1250 | 3830 | 2130 | 84 | 113 | 103 | 241 | 8.3 |
| MIN | 7.9 | 8.3 | 68 | 76 | 68 | 71 | 36 | 14 | 9.4 | 8.1 | 6.8 | 3.9 |
| AC-FT | 823 | 28830 | 32110 | 14090 | 10530 | 34420 | 12580 | 1700 | 1100 | 1400 | 1690 | 364 |
| CFSM | .10 | 3.46 | 3.73 | 1.64 | 1.31 | 4.00 | 1.51 | .20 | .13 | .16 | .20 | .04 |
| IN. | .11 | 3.86 | 4.30 | 1.89 | 1.41 | 4.61 | 1.69 | .23 | .15 | .19 | .23 | .05 |

CAL YR 1987 TOTAL 75782.2 MEAN 208 MAX 6170 MIN 7.9 AC-FT 150300 CFSM 1.48 IN. 20.14
WTR YR 1988 TOTAL 70401.1 MEAN 192 MAX 6170 MIN 3.9 AC-FT 139600 CFSM 1.37 IN. 18.71

e Estimated.

## 07354100 KISATCHIE BAYOU AT LOTUS, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.74 | 2.74 | 5.72 | 8.12 | 5.34 | 4.90 | 9.05 | 4.50 | 3.55 | 3.36 | 4.70 | 3.16 |
| 2 | 2.71 | 2.70 | 5.43 | 8.51 | 5.89 | 5.42 | 12.97 | 4.36 | 3.53 | 3.33 | 3.90 | 3.15 |
| 3 | 2.68 | 2.67 | 5.25 | 7.06 | 6.00 | 14.74 | 9.37 | 4.24 | 3.99 | 3.30 | 3.74 | 3.17 |
| 4 | 2.65 | 2.64 | 5.13 | 6.63 | 5.69 | 9.21 | 7.52 | 4.17 | 5.42 | 3.31 | 4.01 | 3.23 |
| 5 | 2.63 | 2.62 | 5.01 | 6.30 | 5.73 | 7.25 | 6.83 | 4.10 | 4.37 | 3.99 | 3.71 | 3.23 |
| 6 | 2.63 | 2.60 | 5.11 | 6.06 | 6.33 | 6.53 | 6.68 | 4.05 | 3.92 | 4.50 | 3.55 | 3.19 |
| 7 | 2.63 | 2.59 | 13.22 | 8.93 | 6.04 | 6.15 | 6.43 | 4.01 | 3.72 | 5.18 | 3.37 | 3.16 |
| 8 | 2.63 | 2.64 | 9.23 | 9.07 | 5.56 | 6.75 | 6.04 | 3.99 | 3.63 | 5.24 | 3.30 | 3.13 |
| 9 | 2.62 | 3.55 | 7.25 | 7.26 | 5.39 | 11.51 | 5.81 | 3.99 | 3.58 | 4.21 | 3.25 | 3.11 |
| 10 | 2.61 | 4.46 | 6.45 | 6.65 | 5.26 | 8.00 | 5.66 | 3.97 | 3.53 | 3.79 | 3.25 | 3.12 |
| 11 | 2.61 | 3.62 | 6.04 | 6.28 | 5.19 | 6.76 | 5.57 | 3.92 | 3.48 | 3.65 | 5.04 | 3.17 |
| 12 | 2.60 | 3.27 | 5.81 | 6.24 | 5.12 | 6.29 | 5.51 | 3.87 | 3.44 | 3.69 | 6.58 | 3.19 |
| 13 | 2.59 | 3.08 | 5.59 | 6.58 | 5.04 | 5.97 | 5.40 | 3.84 | 3.43 | 3.53 | 4.67 | 3.17 |
| 14 | 2.58 | 2.96 | 5.43 | 6.73 | 5.01 | 5.70 | 5.27 | 3.81 | 3.42 | 3.44 | 3.95 | 3.14 |
| 15 | 2.58 | 2.97 | 5.32 | 6.18 | 6.52 | 5.52 | 5.13 | 3.78 | 3.41 | 3.37 | 3.65 | 3.12 |
| 16 | 2.58 | 11.51 | 5.18 | 5.94 | 6.65 | 5.43 | 5.04 | 3.75 | 3.39 | 3.33 | 3.50 | 3.13 |
| 17 | 2.58 | 15.81 | 5.09 | 7.31 | 5.67 | 5.48 | 4.98 | 3.72 | 3.38 | 3.31 | 3.40 | 3.17 |
| 18 | --- | 8.62 | 5.04 | 7.90 | 8.04 | 13.41 | 4.94 | 3.70 | 3.37 | 3.29 | 3.36 | 3.25 |
| 19 | --- | 6.68 | 5.43 | 6.97 | 11.15 | 9.25 | 4.87 | 3.66 | 3.38 | 3.31 | 3.34 | 3.25 |
| 20 | --- | 6.00 | 10.81 | 8.28 | 7.62 | 7.30 | 4.76 | 3.64 | 3.75 | 3.84 | 3.32 | 3.20 |
| 21 | --- | 5.59 | 9.60 | 6.77 | 6.46 | 6.64 | 4.70 | 4.13 | 3.63 | 4.45 | 3.33 | 3.14 |
| 22 | --- | 5.32 | 8.09 | 6.05 | 5.91 | 6.26 | 4.64 | 5.08 | 3.57 | 3.75 | 3.44 | 3.11 |
| 23 | 2.59 | 5.15 | 6.89 | 5.74 | 5.62 | 6.02 | 4.61 | 4.68 | 3.49 | 3.47 | 3.51 | 3.08 |
| 24 | 2.57 | 5.01 | 6.43 | 5.63 | 5.41 | 5.92 | 4.59 | 4.17 | 3.39 | 3.35 | 3.36 | 3.06 |
| 25 | 2.60 | 7.24 | 6.22 | 5.52 | 5.22 | 7.48 | 4.52 | 3.89 | 3.61 | 3.30 | 3.34 | 3.05 |
| 26 | 3.14 | 11.60 | 7.39 | 5.35 | 5.12 | 7.98 | 4.43 | 3.75 | 3.83 | 3.25 | 3.30 | 3.04 |
| 27 | 4.63 | 7.70 | 15.64 | 5.24 | 5.04 | 6.51 | 4.35 | 3.67 | 3.65 | 3.26 | 3.25 | 3.03 |
| 28 | 3.83 | 8.38 | 12.24 | 5.18 | 5.02 | 5.94 | 4.27 | 3.64 | 3.58 | 3.27 | 3.22 | 3.01 |
| 29 | 3.23 | 6.92 | 8.52 | 5.15 | 4.99 | 6.06 | 4.24 | 3.61 | 3.52 | 3.24 | 3.19 | 3.00 |
| 30 | 2.95 | 6.13 | 7.36 | 5.14 | --- | 11.42 | 4.39 | 3.59 | 3.41 | 3.22 | 3.18 | 3.00 |
| 31 | 2.82 | --- | 6.98 | 5.22 | --- | 12.73 | --- | 3.57 | --- | 4.12 | 3.17 | --- |
| MAX | 4.63 | 15.81 | 15.64 | 9.07 | 11.15 | 14.74 | 12.97 | 5.08 | 5.42 | 5.24 | 6.58 | 3.25 |
| MIN | --- | 2.59 | 5.01 | 5.14 | 4.99 | 4.90 | 4.24 | 3.57 | 3.37 | 3.22 | 3.17 | 3.00 |

## 07355130 RED RIVER AT BOYCE, LA (CE 04525)

LOCATION.--Lat 31°23'38", long 92°40'02", T.5 N., R.3 W., Grant-Rapides Parish line, Hydrologic Unit 11140207, near center of span on downstream side of bridge on State Highway 8, 0.2 mi east of Boyce, and at mile 135.0.

DRAINAGE AREA.--66,998 mi², of which 5,936 mi² above Denison Dam is noncontributing.

PERIOD OF RECORD.--Water years 1973-84, 1986 to current year.

REMARKS.--Water-quality samples are non-integrated.

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | SPE-CIFIC CON-DUCT-ANCE (US/CM) | PH (STAND-ARD UNITS) | TEMPER-ATURE WATER (DEG C) | COLOR (PLAT-INUM-COBALT UNITS) | TUR-BID-ITY (NTU) | OXYGEN, DIS-SOLVED (MG/L) | OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) | COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 27... | 0730 | 1240 | 7.80 | 18.0 | 15 | 22 | 8.6 | 25 | 3.1 | 350 |
| NOV | | | | | | | | | | |
| 19... | 0800 | 276 | 7.10 | 15.5 | 200 | 84 | 9.2 | 52 | 3.2 | K8200 |
| DEC | | | | | | | | | | |
| 09... | 0900 | 157 | 7.50 | 12.5 | 100 | 82 | 9.5 | 34 | 3.7 | K7700 |
| JAN 1988 | | | | | | | | | | |
| 11... | 1400 | 315 | 7.44 | 4.0 | 120 | 130 | 11.4 | <10 | 2.7 | K1600 |
| FEB | | | | | | | | | | |
| 02... | 1430 | 502 | 7.60 | 14.0 | 100 | 75 | 10.2 | 21 | 2.1 | 640 |
| APR | | | | | | | | | | |
| 05... | 1700 | 341 | 7.60 | 20.5 | 80 | 75 | 7.6 | -- | 1.6 | 2000 |
| 26... | 1600 | 595 | 7.72 | 23.0 | 20 | 94 | 8.5 | 30 | 2.7 | 350 |
| MAY | | | | | | | | | | |
| 25... | 0845 | 1050 | 8.10 | 24.5 | 5 | 17 | 7.9 | 45 | 1.7 | K35 |
| JUN | | | | | | | | | | |
| 15... | 0830 | 1140 | 8.10 | 26.5 | 5 | 8.3 | 7.9 | <10 | 2.7 | K30 |
| JUL | | | | | | | | | | |
| 13... | 0845 | 1190 | 8.00 | 29.0 | 5 | 7.7 | 8.5 | 24 | 4.1 | 320 |
| AUG | | | | | | | | | | |
| 04... | 0745 | 953 | 7.70 | 30.0 | 15 | 5.6 | 6.6 | 19 | 5.0 | K30 |
| SEP | | | | | | | | | | |
| 08... | 1415 | 989 | 8.25 | 25.0 | 10 | 24 | 9.3 | 19 | -- | K55 |

| DATE | COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) | STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) | HARD-NESS TOTAL (MG/L AS CACO3) | CALCIUM DIS-SOLVED (MG/L AS CA) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) | SODIUM, DIS-SOLVED (MG/L AS NA) | POTAS-SIUM, DIS-SOLVED (MG/L AS K) | ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DIS-SOLVED (MG/L AS SO4) | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 27... | K6 | 210 | 320 | 85 | 27 | 130 | 5.1 | 187 | 160 | 190 |
| NOV | | | | | | | | | | |
| 19... | K950 | 1900 | 70 | 18 | 6.2 | 23 | 3.3 | 65 | 20 | 32 |
| DEC | | | | | | | | | | |
| 09... | 520 | 3000 | 56 | 16 | 4.0 | 13 | 2.8 | 53 | 15 | 16 |
| JAN 1988 | | | | | | | | | | |
| 11... | 80 | 120 | 85 | 25 | 5.5 | 24 | 2.6 | 46 | 37 | 38 |
| FEB | | | | | | | | | | |
| 02... | K47 | K52 | 130 | 38 | 9.5 | 46 | 3.2 | 47 | 63 | 70 |
| APR | | | | | | | | | | |
| 05... | 190 | 160 | 88 | 23 | 7.5 | 28 | 3.0 | 60 | -- | 40 |
| 26... | K20 | 92 | 170 | 43 | 14 | 55 | 3.4 | 89 | 79 | 76 |
| MAY | | | | | | | | | | |
| 25... | <2 | K16 | 300 | 79 | 24 | 100 | 4.8 | 190 | 130 | 130 |
| JUN | | | | | | | | | | |
| 15... | <3 | K6 | 340 | 88 | 28 | 110 | 5.4 | 219 | 130 | 140 |
| JUL | | | | | | | | | | |
| 13... | 130 | K410 | 280 | 68 | 27 | 120 | 5.4 | 214 | 140 | 160 |
| AUG | | | | | | | | | | |
| 04... | K2 | 130 | 270 | 72 | 23 | 95 | 5.2 | 211 | 100 | 110 |
| SEP | | | | | | | | | | |
| 08... | K12 | 120 | 270 | 68 | 24 | 100 | 4.7 | 184 | 120 | 130 |

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal colony count).

## 07355130 RED RIVER AT BOYCE, LA--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) | RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) | NITRO-GEN, NITRITE TOTAL (MG/L AS N) | NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) | NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) | NITRO-GEN, TOTAL (MG/L AS N) | PHOS-PHOROUS TOTAL (MG/L AS P) | PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) | CARBON, ORGANIC TOTAL (MG/L AS C) |
|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | |
| 27... | 732 | 70 | 0.01 | <0.02 | 1.2 | -- | 0.15 | 0.06 | 6.8 |
| NOV | | | | | | | | | |
| 19... | 202 | 346 | 0.06 | 0.32 | 1.2 | 1.5 | 0.51 | 0.18 | 13 |
| DEC | | | | | | | | | |
| 09... | 118 | 317 | 0.04 | 0.18 | 0.67 | 0.85 | 0.23 | 0.14 | 13 |
| JAN 1988 | | | | | | | | | |
| 11... | 241 | 653 | 0.02 | 0.28 | 0.95 | 1.2 | 0.51 | 0.08 | 13 |
| FEB | | | | | | | | | |
| 02... | 248 | 285 | 0.02 | 0.16 | 0.58 | 0.74 | 0.31 | 0.08 | 10 |
| APR | | | | | | | | | |
| 05... | 189 | 266 | 0.06 | 0.18 | 0.75 | 0.93 | 0.23 | -- | 12 |
| 26... | 326 | 153 | 0.02 | 0.19 | 0.80 | 0.99 | 0.21 | 0.07 | 7.4 |
| MAY | | | | | | | | | |
| 25... | 583 | 33 | <0.01 | <0.02 | 0.55 | -- | 0.12 | 0.02 | 6.2 |
| JUN | | | | | | | | | |
| 15... | 644 | 5 | <0.01 | <0.02 | 0.78 | -- | 0.09 | 0.03 | 6.3 |
| JUL | | | | | | | | | |
| 13... | 672 | 30 | 0.01 | <0.02 | 0.80 | -- | 0.11 | 0.03 | 6.0 |
| AUG | | | | | | | | | |
| 04... | 538 | 21 | <0.01 | <0.02 | 1.2 | -- | 0.20 | 0.04 | 8.8 |
| SEP | | | | | | | | | |
| 08... | 573 | 49 | 0.01 | <0.02 | 1.3 | -- | 0.15 | 0.07 | 8.1 |

| DATE | ARSENIC TOTAL (UG/L AS AS) | BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE) | CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) | CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) | IRON, TOTAL RECOV-ERABLE (UG/L AS FE) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) | MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) |
|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | |
| 27... | 2 | <10 | 4 | <10 | 3 | 440 | <5 | 130 |
| JAN 1988 | | | | | | | | |
| 11... | 2 | <10 | <1 | 10 | 10 | 8300 | 10 | 220 |
| APR | | | | | | | | |
| 26... | 1 | <10 | 1 | <10 | 7 | 4400 | 6 | 210 |
| JUL | | | | | | | | |
| 13... | 2 | <10 | <1 | <10 | 5 | 640 | <5 | 180 |

| DATE | MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) | NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) | SELE-NIUM, TOTAL (UG/L AS SE) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) | CYANIDE TOTAL (MG/L AS CN) | PHENOLS TOTAL (UG/L) | OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L) |
|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | |
| 27... | <0.1 | 3 | <1 | 10 | -- | 8 | 3 |
| JAN 1988 | | | | | | | |
| 11... | <0.1 | 10 | <1 | 40 | <0.01 | 7 | 2 |
| APR | | | | | | | |
| 26... | <0.1 | 9 | <1 | 20 | <0.01 | 3 | 1 |
| JUL | | | | | | | |
| 13... | 0.4 | 4 | <1 | 20 | <0.01 | 3 | 1 |

< Actual value is known to be less than the value shown.

## 07355500 RED RIVER AT ALEXANDRIA, LA

LOCATION.--Lat 31°18'46", long 92°26'34", in SE 1/4 sec.10, T.4 N., R.1 W., Rapides Parish, Hydrologic Unit 08040301, near center of span on downstream side of Murray Street bridge between Alexandria and Pineville, and 1.7 mi downstream from Bayou Rigolette. Water-quality sampling site at center of channel 0.3 mi downstream.

DRAINAGE AREA.--67,500 $mi^2$, of which 5,936 $mi^2$ above Denison Dam is noncontributing.

PERIOD OF RECORD.--Water years 1947, 1952-62, 1969, 1973 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1952 to September 1963, June 1973 to September 1981.
WATER TEMPERATURES: October 1952 to September 1963, June 1973 to September 1984.
CHLORIDE: October 1974 to September 1984.
SUSPENDED-SEDIMENT DISCHARGE: October 1972 to September 1982.

REMARKS.--Discharge data will be entered into the water-quality file when made available by the Army Coprs of Engineers.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 2,020 micromhos Oct.8, 1956; minimum daily, 133 micromhos June 24, 1953.
WATER TEMPERATURES: Maximum daily, 34.0°C Aug. 2, 8, 10, 1956; minimum daily, 0.0°C Dec. 24, 25, 1983.
CHLORIDE: Maximum daily, 420 mg/L Oct. 12, 1978; minimum daily, 8.6 mg/L Apr. 7, 1977.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 1,495,000 tons Dec. 9, 1973; minimum daily, 1,000 tons Oct. 10-22, 1972, Oct. 1 to Nov. 7, 1978, Sept. 27-30, Oct. 1-4, 1980, Jan. 30-31, Apr. 24-25, Oct. 1-6, 1981.

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | SPE-CIFIC CON-DUCT-ANCE (US/CM) | PH (STAND-ARD UNITS) | TEMPER-ATURE WATER (DEG C) | COLOR (PLAT-INUM-COBALT UNITS) | TUR-BID-ITY (NTU) | OXYGEN, DIS-SOLVED (MG/L) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) | OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) | COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) | STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | | |
| 26... | 1400 | 1180 | 8.05 | 19.5 | 20 | 17 | 8.7 | -- | 19 | 940 | K120 | 1800 |
| NOV | | | | | | | | | | | | |
| 18... | 1230 | 345 | 7.20 | 16.0 | 160 | 80 | 9.5 | 2.9 | -- | 11000 | K100 | 5600 |
| DEC | | | | | | | | | | | | |
| 08... | 1400 | 213 | 7.50 | 13.0 | 100 | 85 | 9.0 | 2.6 | 38 | 8400 | 410 | 2600 |
| JAN 1988 | | | | | | | | | | | | |
| 14... | 1000 | 351 | 7.67 | 4.0 | 70 | 150 | 11.8 | 1.8 | 71 | 980 | 110 | 270 |
| FEB | | | | | | | | | | | | |
| 03... | 1530 | 483 | 7.70 | -- | 140 | 94 | 10.3 | -- | 23 | 1700 | 70 | 140 |
| APR | | | | | | | | | | | | |
| 05... | 1530 | 334 | 7.60 | 20.5 | 80 | 80 | 7.4 | 2.0 | 16 | 1100 | 180 | 320 |
| 26... | 1210 | 600 | 7.71 | 22.0 | 20 | 78 | 8.2 | 1.3 | 23 | 500 | K20 | 450 |
| MAY | | | | | | | | | | | | |
| 24... | 1330 | 1020 | 7.90 | 27.0 | 5 | 13 | 8.0 | 1.7 | -- | K50 | K4 | 100 |
| JUN | | | | | | | | | | | | |
| 14... | 1345 | 1130 | 7.90 | 29.0 | 5 | 6.8 | 7.7 | 1.9 | <10 | K50 | K12 | K50 |
| JUL | | | | | | | | | | | | |
| 12... | 1330 | 1070 | 8.00 | 29.0 | 5 | 5.8 | 7.1 | 2.6 | 31 | 730 | K76 | >400 |
| AUG | | | | | | | | | | | | |
| 03... | 1545 | 758 | 7.70 | 31.0 | 10 | 6.2 | 6.6 | 3.6 | 39 | 790 | 120 | K960 |
| SEP | | | | | | | | | | | | |
| 09... | 0845 | 947 | 8.16 | 25.5 | 20 | 12 | 6.8 | 2.5 | 19 | 250 | K8 | 100 |

> Actual value is known to be greater than the value shown.
< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal colony count).

## 07355500 RED RIVER AT ALEXANDRIA, LA--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | HARD-NESS TOTAL (MG/L AS CACO3) | CALCIUM DIS-SOLVED (MG/L AS CA) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) | SODIUM, DIS-SOLVED (MG/L AS NA) | POTAS-SIUM, DIS-SOLVED (MG/L AS K) | ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DIS-SOLVED (MG/L AS SO4) | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) | FLUO-RIDE, DIS-SOLVED (MG/L AS F) | SILICA, DIS-SOLVED (MG/L AS SIO2) | SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) | SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | | |
| 26... | 330 | 87 | 27 | 120 | 4.8 | 182 | 160 | 180 | 0.3 | 8.0 | 713 | 698 |
| NOV | | | | | | | | | | | | |
| 18... | 84 | 22 | 7.0 | 29 | 3.5 | 60 | 34 | 43 | -- | -- | 195 | -- |
| DEC | | | | | | | | | | | | |
| 08... | 59 | 17 | 4.0 | 14 | 2.8 | 55 | 17 | 17 | -- | -- | 128 | -- |
| JAN 1988 | | | | | | | | | | | | |
| 14... | 97 | 28 | 6.5 | 29 | 2.5 | 49 | 43 | 44 | -- | -- | 196 | -- |
| FEB | | | | | | | | | | | | |
| 03... | 120 | 34 | 9.1 | 43 | 2.7 | 66 | 64 | 61 | 0.2 | 7.6 | 268 | 260 |
| APR | | | | | | | | | | | | |
| 05... | 89 | 24 | 7.0 | 28 | 2.9 | 62 | 36 | 28 | -- | -- | 192 | -- |
| 26... | 160 | 43 | 13 | 51 | 2.7 | 92 | 87 | 74 | 0.2 | 5.5 | 344 | 330 |
| MAY | | | | | | | | | | | | |
| 24... | 290 | 76 | 24 | 100 | 4.7 | 180 | 130 | 130 | -- | -- | 574 | -- |
| JUN | | | | | | | | | | | | |
| 14... | 320 | 83 | 27 | 100 | 5.3 | 225 | 130 | 140 | -- | -- | 648 | -- |
| JUL | | | | | | | | | | | | |
| 12... | 310 | 76 | 28 | 100 | 4.0 | 186 | 130 | 140 | 0.4 | 0.88 | 626 | 602 |
| AUG | | | | | | | | | | | | |
| 03... | 220 | 58 | 18 | 70 | 4.4 | 187 | 72 | 81 | -- | -- | 435 | -- |
| SEP | | | | | | | | | | | | |
| 09... | 250 | 61 | 23 | 95 | 4.7 | 178 | -- | 120 | -- | -- | 549 | -- |

| DATE | RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) | NITRO-GEN, NITRITE TOTAL (MG/L AS N) | NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) | NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) | NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) | NITRO-GEN, AMMONIA TOTAL (MG/L AS N) | NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) | NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) | PHOS-PHOROUS TOTAL (MG/L AS P) | PHOS-PHOROUS DIS-SOLVED (MG/L AS P) | PHOS-PHOROUS ORTHO, DIS-SOLVED (MG/L AS P) | ALUM-INUM, DIS-SOLVED (UG/L AS AL) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | | |
| 26... | -- | <0.01 | <0.01 | -- | <0.10 | 0.05 | 0.04 | 0.9 | 0.13 | 0.06 | 0.04 | <10 |
| NOV | | | | | | | | | | | | |
| 18... | 486 | 0.05 | -- | 0.40 | -- | -- | -- | 1.3 | 0.47 | -- | -- | -- |
| DEC | | | | | | | | | | | | |
| 08... | 267 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| JAN 1988 | | | | | | | | | | | | |
| 14... | 710 | 0.03 | -- | 0.15 | -- | -- | -- | 0.63 | 0.38 | -- | -- | -- |
| FEB | | | | | | | | | | | | |
| 03... | -- | 0.01 | <.010 | 0.20 | 0.15 | 0.07 | 0.04 | 0.5 | 0.08 | 0.02 | <0.01 | 70 |
| APR | | | | | | | | | | | | |
| 05... | 373 | 0.08 | -- | 0.18 | -- | -- | -- | 0.87 | 0.29 | -- | -- | -- |
| 26... | -- | 0.02 | 0.01 | 0.20 | 0.20 | 0.05 | 0.03 | 1.3 | 0.07 | 0.03 | 0.01 | <10 |
| MAY | | | | | | | | | | | | |
| 24... | 10 | <0.01 | -- | <0.02 | -- | -- | -- | 0.46 | 0.10 | -- | -- | -- |
| JUN | | | | | | | | | | | | |
| 14... | 4 | <0.01 | -- | <0.02 | -- | -- | -- | 0.67 | 0.08 | -- | -- | -- |
| JUL | | | | | | | | | | | | |
| 12... | -- | <0.01 | <0.01 | <0.10 | <0.10 | <0.01 | <0.01 | 1.0 | 0.10 | <0.01 | <0.01 | <10 |
| AUG | | | | | | | | | | | | |
| 03... | 24 | <0.01 | -- | <0.02 | -- | -- | -- | 0.89 | 0.10 | -- | -- | -- |
| SEP | | | | | | | | | | | | |
| 09... | 22 | 0.01 | -- | <0.02 | -- | -- | -- | 0.74 | 0.13 | -- | -- | -- |

< Actual value is known to be less than the value shown.

## 07355500 RED RIVER AT ALEXANDRIA, LA--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | ARSENIC TOTAL (UG/L AS AS) | ARSENIC DIS-SOLVED (UG/L AS AS) | BARIUM, DIS-SOLVED (UG/L AS BA) | BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE) | BERYL-LIUM, DIS-SOLVED (UG/L AS BE) | CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) | CADMIUM DIS-SOLVED (UG/L AS CD) | CHRO-MIUM, DIS-SOLVED (UG/L AS CR) | CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) | COBALT, DIS-SOLVED (UG/L AS CO) | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) | COPPER, DIS-SOLVED (UG/L AS CU) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987<br>26... | 2 | 2 | 180 | <10 | <0.5 | 1 | <1 | <1 | <10 | <3 | 5 | 2 |
| FEB 1988<br>03... | 1 | 1 | 87 | <10 | <0.5 | <1 | <1 | <1 | <10 | <3 | 8 | 3 |
| APR<br>26... | 1 | <1 | 98 | <10 | <0.5 | <1 | <1 | <1 | <10 | <3 | 7 | 5 |
| JUL<br>12... | 2 | 2 | 180 | <10 | <0.5 | <1 | <1 | 4 | <10 | <3 | 4 | 2 |

| DATE | IRON, TOTAL RECOV-ERABLE (UG/L AS FE) | IRON, DIS-SOLVED (UG/L AS FE) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) | LEAD, DIS-SOLVED (UG/L AS PB) | LITHIUM DIS-SOLVED (UG/L AS LI) | MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) | MANGA-NESE, DIS-SOLVED (UG/L AS MN) | MERCURY DIS-SOLVED (UG/L AS HG) | MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) | MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) | NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) | NICKEL, DIS-SOLVED (UG/L AS NI) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987<br>26... | 900 | 3 | <5 | <5 | 18 | 170 | 4 | <0.1 | -- | <10 | 3 | 3 |
| FEB 1988<br>03... | 5600 | 99 | <5 | <5 | 7 | 150 | 7 | <0.1 | 0.2 | <10 | 7 | 3 |
| APR<br>26... | 3700 | 27 | <5 | <5 | 10 | 190 | 6 | <0.1 | 0.2 | <10 | 6 | <1 |
| JUL<br>12... | 360 | 4 | <5 | <5 | 12 | 80 | <1 | <0.1 | 0.1 | <10 | 3 | <1 |

| DATE | SELE-NIUM, TOTAL (UG/L AS SE) | SELE-NIUM, DIS-SOLVED (UG/L AS SE) | SILVER, DIS-SOLVED (UG/L AS AG) | STRON-TIUM, DIS-SOLVED (UG/L AS SR) | VANA-DIUM, DIS-SOLVED (UG/L AS V) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) | ZINC, DIS-SOLVED (UG/L AS ZN) | CARBON, ORGANIC TOTAL (MG/L AS C) | CYANIDE TOTAL (MG/L AS CN) | PHENOLS TOTAL (UG/L) | OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987<br>26... | <1 | <1 | 10 | 840 | <6 | 30 | 7 | 8.8 | -- | 3 | 2 |
| NOV<br>18... | -- | -- | -- | -- | -- | -- | -- | 14 | -- | -- | -- |
| DEC<br>08... | -- | -- | -- | -- | -- | -- | -- | 13 | -- | -- | -- |
| JAN<br>14... | -- | -- | -- | -- | -- | -- | -- | 13 | -- | -- | -- |
| FEB 1988<br>03... | <1 | <1 | <1 | 300 | <6 | 20 | <3 | 9.1 | <0.01 | <1 | 1 |
| APR<br>05... | -- | -- | -- | -- | -- | -- | -- | 12 | -- | -- | -- |
| 26... | <1 | <1 | 10 | 420 | <6 | 20 | <3 | 8.2 | <0.01 | 7 | 2 |
| MAY<br>24... | -- | -- | -- | -- | -- | -- | -- | 5.9 | -- | -- | -- |
| JUN<br>14... | -- | -- | -- | -- | -- | -- | -- | 6.3 | -- | -- | -- |
| JUL<br>12... | <1 | <1 | <1 | 780 | <6 | 20 | 5 | 7.3 | <0.01 | 4 | 3 |
| AUG<br>03... | -- | -- | -- | -- | -- | -- | -- | 8.0 | -- | -- | -- |
| SEP<br>09... | -- | -- | -- | -- | -- | -- | -- | 7.4 | -- | -- | -- |

< Actual value is known to be less than the value shown.

## 07355500 RED RIVER AT ALEXANDRIA, LA--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | PCB, TOTAL (UG/L) | NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L) | ALDRIN, TOTAL (UG/L) | CHLOR-DANE, TOTAL (UG/L) | DDD, TOTAL (UG/L) | DDE, TOTAL (UG/L) | DDT, TOTAL (UG/L) | DI-AZINON, TOTAL (UG/L) | DI-ELDRIN TOTAL (UG/L) | ENDO-SULFAN, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 26... | <0.1 | <1.0 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| DEC | | | | | | | | | | |
| 08... | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| JAN 1988 | | | | | | | | | | |
| 14... | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| APR | | | | | | | | | | |
| 26... | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| JUN | | | | | | | | | | |
| 14... | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| AUG | | | | | | | | | | |
| 03... | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |

| DATE | ENDRIN, TOTAL (UG/L) | ETHION, TOTAL (UG/L) | HEPTA-CHLOR, TOTAL (UG/L) | HEPTA-CHLOR EPOXIDE TOTAL (UG/L) | LINDANE TOTAL (UG/L) | MALA-THION, TOTAL (UG/L) | METH-OXY-CHLOR, TOTAL (UG/L) | METHYL PARA-THION, TOTAL (UG/L) | METHYL TRI-THION, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | |
| 26... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| DEC | | | | | | | | | |
| 08... | <0.01 | <0.01 | 0.080 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| JAN 1988 | | | | | | | | | |
| 14... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| APR | | | | | | | | | |
| 26... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| JUN | | | | | | | | | |
| 14... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| AUG | | | | | | | | | |
| 03... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |

| DATE | MIREX, TOTAL (UG/L) | PARA-THION, TOTAL (UG/L) | PER-THANE TOTAL (UG/L) | TOX-APHENE, TOTAL (UG/L) | TOTAL TRI-THION (UG/L) | 2,4-D, TOTAL (UG/L) | 2, 4-DP TOTAL (UG/L) | 2,4,5-T TOTAL (UG/L) | SILVEX, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | |
| 26... | <0.01 | <0.01 | <0.01 | <0.5 | <0.01 | <.10 | <0.1 | <0.1 | <0.1 |
| DEC | | | | | | | | | |
| 08... | <0.01 | <0.01 | <0.01 | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 |
| JAN 1988 | | | | | | | | | |
| 14... | <0.01 | <0.01 | <0.01 | <0.5 | <0.01 | -- | -- | -- | -- |
| APR | | | | | | | | | |
| 26... | <0.01 | <0.01 | <0.01 | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 |
| JUN | | | | | | | | | |
| 14... | <0.01 | <0.01 | <0.01 | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 |
| AUG | | | | | | | | | |
| 03... | <0.01 | <0.01 | <0.01 | <0.5 | <0.01 | 0.2 | <0.1 | <0.1 | <0.1 |

< Actual value is known to be less than the value shown.

## 07355500 RED RIVER AT ALEXANDRIA, LA--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | GROSS ALPHA, DIS-SOLVED (UG/L AS U-NAT) | GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT) | GROSS BETA, DIS-SOLVED (PCI/L AS CS-137) | GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137) | GROSS BETA, DIS-SOLVED (PCI/L AS SR/YT-90) | GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90) | RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L) | URANIUM NATURAL DIS-SOLVED (UG/L AS U) |
|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | |
| 26... | <0.4 | 0.9 | 7.9 | 1.3 | 5.5 | 1.3 | 0.13 | 1.8 |
| APR 1988 | | | | | | | | |
| 26... | 1.9 | 8.3 | 5.2 | 6.9 | 4.0 | 6.2 | 0.08 | 1.1 |

| DATE | SEDI-MENT, SUS-PENDED (MG/L) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM |
|---|---|---|
| APR 1988 | | |
| 26... | 334 | 80 |
| JUL | | |
| 12... | 18 | 90 |

< Actual value is known to be less than the value shown.

## 07355600 RED RIVER AT MONCLA, LA (CE 04657)

LOCATION.--Lat 31°12'10", long 92°08'30", T.3 N., R.3 W., Avoyelles Parish, Hydrologic Unit 08040301, near center of span on downstream side of bridge on State Highway 115, 1.4 mi west of Moncla, and at mile 74.0.

DRAINAGE AREA.--67,625 mi², of which 5,936 mi² above Denison Dam is noncontributing.

PERIOD OF RECORD.--Water years 1971, 1973, 1984, 1986 to current year.

REMARKS.--Water-quality samples are non-integrated.

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | SPE-CIFIC CON-DUCT-ANCE (US/CM) | PH (STAND-ARD UNITS) | TEMPER-ATURE WATER (DEG C) | COLOR (PLAT-INUM-COBALT UNITS) | TUR-BID-ITY (NTU) | OXYGEN, DIS-SOLVED (MG/L) | OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) | COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 26... | 1200 | 1240 | 7.99 | 19.5 | 30 | 11 | 8.2 | 19 | -- | 410 |
| NOV | | | | | | | | | | |
| 18... | 1100 | 373 | 7.20 | 16.5 | 120 | 67 | 8.3 | 55 | 2.9 | 11000 |
| DEC | | | | | | | | | | |
| 08... | 1200 | 233 | 7.50 | 13.5 | 100 | 85 | 9.2 | 26 | 2.8 | K3800 |
| JAN 1988 | | | | | | | | | | |
| 11... | 1145 | 294 | 7.48 | 4.5 | 100 | 160 | 11.0 | 27 | 2.1 | 1400 |
| FEB | | | | | | | | | | |
| 02... | 1230 | 476 | 7.60 | 14.5 | 100 | 77 | 10.6 | 23 | 2.3 | 920 |
| APR | | | | | | | | | | |
| 05... | 1400 | 329 | 7.60 | 20.0 | 80 | 75 | 7.0 | 18 | 1.1 | 1200 |
| 26... | 1100 | 694 | 7.73 | 22.0 | 20 | 80 | 8.1 | 26 | 1.5 | 210 |
| MAY | | | | | | | | | | |
| 24... | 1230 | 1060 | 8.00 | 27.0 | 5 | 10 | 8.0 | -- | 1.8 | 320 |
| JUN | | | | | | | | | | |
| 14... | 1250 | 1110 | 8.00 | 28.5 | 5 | 7.6 | 7.4 | <10 | 1.5 | <5 |
| JUL | | | | | | | | | | |
| 12... | 1230 | 1020 | 8.00 | 29.5 | 5 | 10 | 7.1 | 23 | 2.0 | K150 |
| AUG | | | | | | | | | | |
| 03... | 1430 | 837 | 7.40 | 32.0 | 5 | 3.8 | 6.4 | 19 | 2.5 | K12 |
| SEP | | | | | | | | | | |
| 09... | 1030 | 808 | 8.11 | 26.0 | 15 | 11 | 6.7 | 21 | 2.4 | 330 |

| DATE | COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) | STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) | HARD-NESS TOTAL (MG/L AS CACO3) | CALCIUM DIS-SOLVED (MG/L AS CA) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) | SODIUM, DIS-SOLVED (MG/L AS NA) | POTAS-SIUM, DIS-SOLVED (MG/L AS K) | ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DIS-SOLVED (MG/L AS SO4) | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 26... | K15 | K40 | 290 | 75 | 26 | 140 | 5.1 | 207 | 150 | 180 |
| NOV | | | | | | | | | | |
| 18... | 780 | 6900 | 90 | 24 | 7.3 | 33 | 3.8 | 61 | 32 | 50 |
| DEC | | | | | | | | | | |
| 08... | 140 | 640 | 66 | 19 | 4.5 | 16 | 2.9 | 56 | 19 | 20 |
| JAN 1988 | | | | | | | | | | |
| 11... | 160 | K76 | 83 | 24 | 5.5 | 22 | 2.3 | 46 | 33 | 37 |
| FEB | | | | | | | | | | |
| 02... | K67 | 180 | 130 | 38 | 9.0 | 43 | 3.9 | 61 | 59 | 64 |
| APR | | | | | | | | | | |
| 05... | 170 | 210 | 87 | 24 | 6.5 | 28 | 2.8 | 61 | 36 | 36 |
| 26... | K10 | 58 | 180 | 49 | 15 | 65 | 3.7 | 99 | 95 | 90 |
| MAY | | | | | | | | | | |
| 24... | K8 | K20 | 300 | 81 | 24 | 100 | 4.9 | 181 | 130 | 160 |
| JUN | | | | | | | | | | |
| 14... | <2 | <2 | 310 | 76 | 28 | 100 | 5.3 | 217 | 120 | 140 |
| JUL | | | | | | | | | | |
| 12... | K8 | K40 | 260 | 60 | 26 | 100 | 5.0 | 216 | 110 | 130 |
| AUG | | | | | | | | | | |
| 03... | <2 | 54 | 230 | 59 | 20 | 75 | 4.4 | 154 | 100 | 110 |
| SEP | | | | | | | | | | |
| 09... | K12 | 260 | 180 | 44 | 18 | 80 | 4.2 | 157 | 96 | 100 |

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal colony count).

## 07355600 RED RIVER AT MONCLA, LA--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) | RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) | NITRO-GEN, NITRITE TOTAL (MG/L AS N) | NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) | NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) | NITRO-GEN, TOTAL (MG/L AS N) | PHOS-PHOROUS TOTAL (MG/L AS P) | PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) | CARBON, ORGANIC TOTAL (MG/L AS C) |
|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | |
| 26... | 736 | 39 | 0.01 | <0.02 | 1.1 | -- | 0.15 | 0.07 | 8.7 |
| NOV | | | | | | | | | |
| 18... | 200 | 731 | 0.05 | 0.44 | 1.4 | 1.8 | 0.55 | 0.13 | 14 |
| DEC | | | | | | | | | |
| 08... | 130 | 290 | 0.07 | 0.18 | 0.82 | 1.0 | 0.27 | 0.25 | 12 |
| JAN 1988 | | | | | | | | | |
| 11... | 195 | 667 | 0.04 | 0.14 | 0.92 | 1.1 | 0.35 | 0.12 | 12 |
| FEB | | | | | | | | | |
| 02... | 254 | 303 | 0.03 | 0.16 | 0.63 | 0.79 | 0.27 | 0.09 | 10 |
| APR | | | | | | | | | |
| 05... | 191 | 331 | 0.08 | 0.14 | 0.82 | 0.96 | 0.26 | 0.26 | 12 |
| 26... | 402 | 113 | 0.02 | 0.18 | 0.70 | 0.88 | 0.19 | 0.08 | -- |
| MAY | | | | | | | | | |
| 24... | 598 | 10 | <0.01 | <0.02 | 0.55 | -- | 0.10 | 0.03 | 6.0 |
| JUN | | | | | | | | | |
| 14... | 644 | 7 | <0.01 | <0.02 | 0.52 | -- | 0.08 | 0.04 | 5.6 |
| JUL | | | | | | | | | |
| 12... | 575 | 12 | 0.02 | 0.04 | 0.52 | 0.56 | 0.10 | 0.03 | 6.2 |
| AUG | | | | | | | | | |
| 03... | 482 | 23 | <0.01 | <0.02 | 0.85 | -- | 0.10 | <0.04 | 6.2 |
| SEP | | | | | | | | | |
| 09... | 458 | 15 | 0.03 | 0.09 | 0.74 | 0.83 | 0.14 | 0.08 | 7.0 |

| DATE | ARSENIC TOTAL (UG/L AS AS) | BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE) | CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) | CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) | IRON, TOTAL RECOV-ERABLE (UG/L AS FE) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) | MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) |
|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | |
| 26... | 2 | <10 | <1 | 10 | 4 | 600 | <5 | 150 |
| JAN 1988 | | | | | | | | |
| 11... | 2 | <10 | 1 | 20 | 20 | 10000 | 10 | 270 |
| APR | | | | | | | | |
| 26... | 1 | <10 | 1 | <10 | 6 | 2900 | <5 | 180 |
| JUL | | | | | | | | |
| 12... | 2 | <10 | <1 | <10 | 5 | 360 | <5 | 120 |

| DATE | MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) | NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) | SELE-NIUM, TOTAL (UG/L AS SE) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) | CYANIDE TOTAL (MG/L AS CN) | PHENOLS TOTAL (UG/L) | OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L) |
|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | |
| 26... | <0.1 | 4 | <1 | 10 | <0.01 | 3 | 2 |
| JAN 1986 | | | | | | | |
| 11... | <0.1 | 20 | <1 | 40 | <0.01 | 9 | 3 |
| APR | | | | | | | |
| 26... | 0.1 | 2 | <1 | 20 | <0.01 | 8 | 1 |
| JUL | | | | | | | |
| 12... | 0.3 | 2 | <1 | 20 | <0.01 | 4 | 2 |

< Actual value is known to be less than the value shown.

## 07355603 RED RIVER (ABOVE LOCK AND DAM 1) NEAR VICK, LA

LOCATION.--Lat 31°15'01", long 91°56'17", in SW 1/4 sec.11, T.3 N., R.5 E., Avoyelles Parish, Hydrologic Unit 08040301, near right bank, 10.1 mi east of Vick, and at mile 50.0.

DRAINAGE AREA.--67,700 mi², approximately, of which 5,936 mi² above Denison Dam is noncontributing.

PERIOD OF RECORD.--October 1987 to September 1988.

REMARKS.--Water-quality samples are non-integrated and collected from upstream side of lock.

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | SPE-CIFIC CON-DUCT-ANCE (US/CM) | PH (STAND-ARD UNITS) | TEMPER-ATURE WATER (DEG C) | COLOR (PLAT-INUM-COBALT UNITS) | TUR-BID-ITY (NTU) | OXYGEN, DIS-SOLVED (MG/L) | OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) | COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 26... | 1100 | 1260 | 8.08 | 20.0 | 20 | 9.7 | 6.8 | 30 | -- | K120 |
| NOV | | | | | | | | | | |
| 18... | 1000 | 408 | 7.50 | 16.5 | 120 | 45 | 8.9 | 48 | 3.2 | 18000 |
| DEC | | | | | | | | | | |
| 08... | 1100 | 249 | 7.40 | 14.0 | 100 | 82 | 9.3 | 58 | 2.5 | 8400 |
| JAN 1988 | | | | | | | | | | |
| 11... | 1045 | 289 | 7.57 | 4.0 | 120 | 170 | 11.2 | 24 | 3.2 | 1500 |
| FEB | | | | | | | | | | |
| 02... | 1130 | 475 | 7.60 | 12.0 | 80 | 78 | 10.5 | 21 | 1.8 | 1400 |
| APR | | | | | | | | | | |
| 05... | 1300 | 331 | 7.20 | 22.0 | 70 | 80 | 7.2 | <10 | 1.3 | 2400 |
| 26... | 1015 | 673 | 7.71 | 22.0 | 30 | 95 | 8.1 | -- | 1.7 | K220 |
| MAY | | | | | | | | | | |
| 24... | 1130 | 1090 | 7.90 | 27.0 | 5 | 10 | 7.8 | 41 | 1.4 | K70 |
| JUN | | | | | | | | | | |
| 14... | 1145 | 1090 | 8.00 | 27.5 | 5 | 9.7 | 7.3 | 11 | 1.8 | K30 |
| JUL | | | | | | | | | | |
| 12... | 1130 | 995 | 7.90 | 30.0 | 5 | 4.0 | 5.7 | 33 | 1.3 | 100 |
| AUG | | | | | | | | | | |
| 03... | 1330 | 723 | 7.40 | 33.0 | 5 | 2.8 | 6.3 | 28 | 2.1 | K50 |
| SEP | | | | | | | | | | |
| 09... | 1130 | 731 | 8.09 | 27.0 | 10 | 6.5 | 7.4 | 17 | 3.0 | 380 |

| DATE | COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) | STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) | HARD-NESS TOTAL (MG/L AS CACO3) | CALCIUM DIS-SOLVED (MG/L AS CA) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) | SODIUM, DIS-SOLVED (MG/L AS NA) | POTAS-SIUM, DIS-SOLVED (MG/L AS K) | ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DIS-SOLVED (MG/L AS SO4) | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 26... | <4 | 88 | 290 | 75 | 25 | 140 | 5.4 | 210 | 160 | 180 |
| NOV | | | | | | | | | | |
| 18... | K1300 | 7200 | 91 | 24 | 7.5 | 37 | 3.4 | 66 | 39 | 46 |
| DEC | | | | | | | | | | |
| 08... | 88 | 440 | 71 | 20 | 5.0 | 18 | 3.0 | 58 | 21 | 23 |
| JAN 1988 | | | | | | | | | | |
| 11... | K56 | 160 | 83 | 24 | 5.5 | 22 | 2.5 | 47 | 32 | 35 |
| FEB | | | | | | | | | | |
| 02... | K73 | 280 | 130 | 39 | 9.0 | 42 | 3.2 | 61 | 59 | 62 |
| APR | | | | | | | | | | |
| 05... | 300 | 210 | 91 | 25 | 7.0 | 28 | 2.9 | 59 | 36 | 38 |
| 26... | K20 | 50 | 200 | 52 | 16 | 65 | 3.8 | 106 | 94 | 90 |
| MAY | | | | | | | | | | |
| 24... | K10 | K20 | 280 | 74 | 24 | 110 | 4.9 | 174 | 140 | 140 |
| JUN | | | | | | | | | | |
| 14... | <2 | 52 | 320 | 83 | 27 | 100 | 5.0 | 235 | 120 | 140 |
| JUL | | | | | | | | | | |
| 12... | K20 | K8 | 250 | 59 | 26 | 100 | 5.1 | 199 | 110 | 120 |
| AUG | | | | | | | | | | |
| 03... | <2 | K32 | 190 | 48 | 17 | 63 | 4.1 | 120 | 87 | 92 |
| SEP | | | | | | | | | | |
| 09... | <2 | 240 | 200 | 48 | 19 | 75 | 4.0 | 143 | 85 | 84 |

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal colony count).

## 07355603 RED RIVER (ABOVE LOCK AND DAM 1) NEAR VICK, LA--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) | RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) | NITRO-GEN, NITRITE TOTAL (MG/L AS N) | NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) | NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) | NITRO-GEN, TOTAL (MG/L AS N) | PHOS-PHOROUS TOTAL (MG/L AS P) | PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) | CARBON, ORGANIC TOTAL (MG/L AS C) |
|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | |
| 26... | 745 | 23 | 0.01 | <0.02 | 0.87 | -- | 0.13 | 0.09 | 9.3 |
| NOV | | | | | | | | | |
| 18... | 221 | 1080 | 0.05 | 0.45 | 1.1 | 1.5 | 0.74 | 0.12 | 16 |
| DEC | | | | | | | | | |
| 08... | 141 | 260 | 0.06 | 0.19 | 0.78 | 0.97 | 0.25 | 0.21 | 12 |
| JAN 1988 | | | | | | | | | |
| 11... | 164 | 581 | 0.03 | 0.14 | 0.78 | 0.92 | 0.34 | 0.11 | 12 |
| FEB | | | | | | | | | |
| 02... | 247 | 289 | 0.03 | 0.17 | 0.67 | 0.84 | 0.28 | 0.10 | 9.5 |
| APR | | | | | | | | | |
| 05... | 181 | 347 | 0.08 | 0.15 | 0.78 | 0.93 | 0.26 | -- | 11 |
| 26... | 385 | 179 | 0.02 | 0.15 | 0.92 | 1.1 | 0.24 | 0.10 | 8.3 |
| MAY | | | | | | | | | |
| 24... | 633 | 6 | <0.01 | <0.02 | 0.40 | -- | 0.09 | 0.03 | 5.8 |
| JUN | | | | | | | | | |
| 14... | 634 | 5 | <0.01 | <0.02 | 0.53 | -- | 0.06 | 0.03 | 5.3 |
| JUL | | | | | | | | | |
| 12... | 571 | 7 | 0.05 | 0.18 | 0.47 | 0.65 | 0.09 | 0.05 | 5.5 |
| AUG | | | | | | | | | |
| 03... | 408 | 19 | <0.01 | <0.02 | 0.53 | -- | 0.08 | 0.04 | 5.7 |
| SEP | | | | | | | | | |
| 09... | 415 | 9 | 0.06 | 0.14 | 0.65 | 0.79 | 0.12 | 0.08 | 5.7 |

| DATE | ARSENIC TOTAL (UG/L AS AS) | BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE) | CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) | CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) | IRON, TOTAL RECOV-ERABLE (UG/L AS FE) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) | MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) |
|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | |
| 26... | 3 | <10 | <1 | <10 | 3 | 450 | <5 | 110 |
| JAN 1988 | | | | | | | | |
| 11... | 2 | <10 | 1 | <10 | 20 | 9000 | 10 | 270 |
| APR | | | | | | | | |
| 26... | 1 | <10 | <1 | <10 | 8 | 4600 | 6 | 210 |
| JUL | | | | | | | | |
| 12... | 3 | <10 | <1 | <10 | 6 | 230 | <5 | 80 |

| DATE | MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) | NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) | SELE-NIUM, TOTAL (UG/L AS SE) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) | CYANIDE TOTAL (MG/L AS CN) | PHENOLS TOTAL (UG/L) | OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L) |
|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | |
| 26... | <0.1 | 2 | <1 | 10 | <0.01 | 6 | 2 |
| JAN 1988 | | | | | | | |
| 11... | 0.1 | 10 | <1 | 40 | <0.01 | 10 | 4 |
| APR | | | | | | | |
| 26... | 0.1 | 5 | <1 | 20 | <0.01 | 5 | 2 |
| JUL | | | | | | | |
| 12... | 0.2 | <1 | <1 | <10 | <0.01 | 7 | 2 |

< Actual value is known to be less than the value shown.

## 07355650 LARTO LAKE AT DAM, NEAR ACME, LA

LOCATION.--Lat 31°20'01", long 91°56'10", in SW 1/4 sec.11, T.4 N., R.5 E., Catahoula Parish, Hydrologic Unit 08040301, at dam 3.0 mi west of Argo, 4.2 mi upstream from mouth of Larto Bayou, and 7.7 mi northwest of Acme.

DRAINAGE AREA.--291 mi².

PERIOD OF RECORD.--December 1968 to September 1976 (gage heights only), October 1976 to September 1977, December 1978 to April 1986, and June 1987 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1976, at datum 33.00 ft higher; June 17, 1987 water-stage recorder, at site 1,000 ft east at same datum.

REMARKS.--Reservoir is formed from a natural oxbow lake by an earthfill dam, completed in 1959. The dam consists of a 57-ft concrete spillway and a 10-ft wide timber gate. The crest of the dam is at an elevation of 45.45 ft, and the invert of the spillway is at 36.95 ft. The capacity at elevation of 35.95 ft is estimated to be 15,000 acre-ft. Outflow between elevation of 30.95 ft and 36.95 ft is regulated by the timber gate. Lake is used for recreation.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 59.26 ft present datum, from floodmark, occurred during period May 14-18, 1973; minimum not determined.

EXTREMES FOR CURRENT PERIOD.--Maximum elevation, 44.14 ft Jan. 12; minimum, 34.63 ft, Nov. 15.

### ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 35.16 | 34.77 | 38.85 | 38.52 | 38.92 | 37.67 | 39.32 | 37.05 | 36.72 | 36.34 | 36.50 | 37.20 |
| 2 | 35.14 | 34.76 | 38.74 | 38.73 | 38.94 | 37.58 | 39.41 | 37.03 | 36.70 | 36.32 | 36.49 | 37.18 |
| 3 | 35.14 | 34.75 | 38.62 | 39.18 | 38.91 | 37.64 | 39.37 | 37.01 | 36.73 | 36.30 | 36.47 | 37.22 |
| 4 | 35.09 | 34.75 | 38.52 | 39.95 | 38.87 | 37.65 | 39.24 | 37.02 | 36.74 | 36.31 | 36.45 | 37.54 |
| 5 | 35.07 | 34.76 | 38.41 | 40.92 | 38.75 | 37.60 | 39.06 | 36.99 | 36.72 | 36.35 | 36.44 | 37.66 |
| 6 | 35.06 | 34.71 | 38.32 | 41.85 | 38.65 | 37.55 | 38.91 | 36.97 | 36.72 | 36.46 | 36.42 | 37.65 |
| 7 | 35.04 | 34.68 | 38.31 | 42.73 | 38.51 | 37.49 | 38.71 | 36.94 | 36.71 | 36.58 | 36.40 | 37.61 |
| 8 | 35.01 | 34.69 | 38.26 | 43.32 | 38.40 | 37.58 | 38.54 | 36.90 | 36.69 | 36.58 | 36.37 | 37.57 |
| 9 | 34.99 | 34.78 | 38.23 | 43.71 | 38.29 | 38.44 | 38.41 | 36.90 | 36.68 | 36.58 | 36.38 | 37.53 |
| 10 | 34.98 | 34.86 | 38.18 | 43.93 | 38.18 | 38.87 | 38.30 | 36.91 | 36.67 | 36.58 | 36.45 | 37.56 |
| 11 | 34.98 | 34.80 | 38.11 | 44.07 | 38.13 | 38.43 | 38.17 | 36.89 | 36.63 | 36.61 | 36.50 | 37.68 |
| 12 | 34.97 | 34.76 | 38.05 | 44.08 | 38.02 | 35.66 | 38.05 | 36.87 | 36.61 | 36.59 | 36.50 | 37.70 |
| 13 | 34.92 | 34.76 | 37.97 | 43.85 | 37.92 | 35.68 | 37.93 | 36.85 | 36.58 | 36.59 | 36.51 | 37.68 |
| 14 | 34.90 | 34.74 | 37.91 | 43.51 | 37.85 | --- | 37.84 | 36.84 | 36.57 | 36.57 | 36.50 | 37.64 |
| 15 | 34.89 | 34.71 | 37.92 | 43.01 | 37.95 | --- | 37.74 | 36.82 | 36.55 | 36.56 | 36.48 | 37.60 |
| 16 | 34.88 | 36.07 | 37.85 | 42.43 | 37.91 | 38.24 | 37.66 | 36.80 | 36.53 | 36.54 | 36.46 | 37.57 |
| 17 | 34.87 | 37.96 | 37.79 | 41.91 | 37.85 | 38.10 | 37.55 | 36.79 | 36.52 | 36.55 | 36.45 | 37.55 |
| 18 | 34.86 | 39.16 | 37.74 | 41.43 | 38.03 | 38.18 | 37.54 | 36.76 | 36.50 | 36.59 | 36.47 | 37.51 |
| 19 | 34.86 | 39.36 | 37.71 | 40.97 | 38.38 | 38.16 | 37.49 | 36.74 | 36.48 | 36.60 | 36.49 | 37.49 |
| 20 | 34.86 | 39.26 | 37.90 | 40.60 | 38.50 | 38.10 | 37.39 | 36.71 | 36.45 | 36.62 | 36.48 | 37.46 |
| 21 | 34.84 | 39.15 | 38.14 | 40.26 | 38.51 | 38.03 | 37.32 | 36.77 | 36.47 | 36.63 | 36.48 | 37.42 |
| 22 | 34.79 | 39.08 | 38.34 | 39.96 | 38.42 | 37.95 | 37.27 | 36.91 | 36.45 | 36.62 | 36.54 | 37.39 |
| 23 | 34.76 | 39.03 | 38.43 | 39.73 | 38.34 | 37.85 | 37.22 | 36.91 | 36.43 | 36.60 | 36.53 | 37.37 |
| 24 | 34.75 | 38.97 | 38.45 | 39.52 | 38.23 | 37.76 | 37.18 | 36.90 | 36.42 | 36.58 | 36.67 | 37.34 |
| 25 | 34.75 | 38.91 | 38.43 | 39.33 | 38.11 | 37.88 | 37.16 | 36.87 | 36.42 | 36.57 | 37.20 | 37.32 |
| 26 | 34.80 | 38.83 | 38.42 | 39.14 | 38.00 | 38.04 | 37.16 | 36.84 | 36.43 | 36.61 | 37.28 | 37.29 |
| 27 | 34.87 | 38.79 | 38.52 | 39.04 | 37.92 | 38.01 | 37.15 | 36.81 | 36.42 | 36.59 | 37.29 | 37.26 |
| 28 | 34.82 | 38.96 | 38.57 | 38.97 | 37.83 | 37.93 | 37.10 | 36.79 | 36.41 | 36.57 | 37.28 | 37.23 |
| 29 | 34.80 | 38.96 | 38.57 | 38.95 | 37.74 | 37.88 | 37.06 | 36.77 | 36.38 | 36.56 | 37.26 | 37.20 |
| 30 | 34.78 | 38.94 | 38.53 | 38.93 | --- | 38.28 | 37.06 | 36.75 | 36.36 | 36.54 | 37.24 | 37.22 |
| 31 | 34.77 | --- | 38.52 | 38.93 | --- | 39.06 | --- | 36.73 | --- | 36.52 | 37.20 | --- |
| MAX | 35.16 | 39.36 | 38.85 | 44.08 | 38.94 | 38.87 | 39.41 | 37.05 | 36.74 | 36.63 | 37.29 | 37.70 |
| MIN | 34.75 | 34.68 | 37.71 | 38.52 | 37.74 | 37.49 | 37.06 | 36.71 | 36.36 | 36.30 | 36.37 | 37.18 |

## 07364100 OUACHITA RIVER NEAR ARKANSAS-LOUISIANA STATE LINE

LOCATION.--Lat 33°01'52", long 92°05'16", in SE 1/4 NE 1/4 sec.25, T.19 S., R.10 W., Union County, Hydrologic Unit 08040202, on right bank 500 ft below lock and dam No. 6, 1.6 mi north of Arkansas-Louisiana State line, 3.5 mi downstream from Missouri Pacific Railroad Co. bridge, and 4.5 mi southeast of Felsenthal, Ark.

DRAINAGE AREA.--10,787 mi².

PERIOD OF RECORD.--April 1958 to current year (daily gage heights and daily discharges below 19.0 ft stage only). Gage-height record for some periods collected at same site since 1912 are contained in reports of Corps of Engineers, Vicksburg district.

REVISED RECORDS.--WDR LA-75-1: 1974.

GAGE.--Water-stage recorder. Datum of gage is 44.09 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Aug. 26, 1958, nonrecording gage at same site and datum. Water-stage recorder for Ouachita River at Sterlington (station 07364535) used as auxiliary gage for this station. Prior to Oct. 1, 1980, water-stage recorder for Ouachita River at Alabama Landing near Haile (station 07364103) was used as auxiliary gage for this station.

REMARKS.--No estimated daily discharges. Records poor. Discharge computed for stages below bankfull, about 19 ft. Considerable regulation by 5 reservoirs in Arkansas, combined capacity, 3,107,880 acre-ft and a series of navigation locks and dams. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 43.04 ft May 14, 15, 1958 (discharge not determined); minimum daily discharge, 190 ft³/s Sept. 13, 1971.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height since 1912, 44.2 ft Apr. 11, 12, 1945; minimum, -0.3 ft Nov. 11, 1916; minimum since 1928, 5.8 ft Aug. 25, 1951.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 36.54 ft Jan. 9; minimum daily discharge, 772 ft³/s July 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1330 | 882 | | | | | | 11800 | 1050 | 856 | 1010 | 950 |
| 2 | 1360 | 924 | | | | | | 11300 | 1350 | 772 | 1020 | 1190 |
| 3 | 990 | 902 | | | | | | 10500 | 2670 | 916 | 1100 | 1110 |
| 4 | 1100 | 884 | | | | | | 7990 | 2800 | 837 | 1060 | 1010 |
| 5 | 1030 | 909 | | | | | | 6270 | 2900 | 919 | 1290 | 968 |
| 6 | 944 | 918 | | | | | | 5750 | 2870 | 942 | 1580 | 983 |
| 7 | 912 | 878 | | | | | | 5010 | 1780 | 917 | 1890 | 964 |
| 8 | 942 | 877 | | | | | | 3480 | 1060 | 961 | 1140 | 987 |
| 9 | 1000 | 896 | | | | | | 3420 | 1080 | 954 | 1110 | 937 |
| 10 | 962 | 1270 | | | | | | 2850 | 1160 | 950 | 1080 | 993 |
| 11 | 876 | 2820 | | | | | | 2140 | 1380 | 1060 | 1370 | 1270 |
| 12 | 917 | 4860 | | | | | | 1990 | 1090 | 955 | 1080 | 1160 |
| 13 | 917 | 6650 | | | | | | 3750 | 1010 | 1030 | 1080 | 1050 |
| 14 | 995 | 7460 | | | | | | 3270 | 1000 | 1030 | 1070 | 1180 |
| 15 | 919 | 7020 | 11300 | | | | | 3270 | 990 | 1680 | 925 | 1620 |
| 16 | 974 | 8450 | 10800 | | | | | 2080 | 968 | 1780 | 947 | 1750 |
| 17 | 1130 | 8530 | 11800 | | | | | 1430 | 1020 | 1590 | 974 | 1750 |
| 18 | 1180 | 10100 | 12300 | | | | | 1130 | 963 | 1130 | 1350 | 1480 |
| 19 | 1090 | 11600 | | | | | | 1690 | 1010 | 1300 | 1500 | 1930 |
| 20 | 1010 | | | | | | | 1540 | 956 | 1570 | 1550 | 2260 |
| 21 | 948 | | | | | | | 1580 | 958 | 1530 | 1230 | 1240 |
| 22 | 1290 | | | | | | | 1730 | 937 | 1200 | 1200 | 1120 |
| 23 | 1630 | | | | | | | 1490 | 1080 | 1210 | 1210 | 1030 |
| 24 | 1370 | | | | | | | 1720 | 962 | 1060 | 1470 | 1030 |
| 25 | 1170 | | | | | | | 1330 | 1080 | 1130 | 1310 | 1030 |
| 26 | 1170 | | | | | | | 1220 | 929 | 1250 | 1180 | 1020 |
| 27 | 1040 | | | | | | | 1350 | 970 | 1700 | 1150 | 1010 |
| 28 | 1040 | | | | | | | 1130 | 907 | 1070 | 1180 | 1030 |
| 29 | 1170 | | | | | | | 1390 | 896 | 1040 | 968 | 1080 |
| 30 | 1100 | | | | | | | 1370 | 891 | 1050 | 962 | 1130 |
| 31 | 1060 | | | | | | | 1190 | --- | 1190 | 953 | --- |
| TOTAL | 33566 | --- | --- | | | | | 106160 | 38717 | 35579 | 36939 | 36262 |
| MEAN | 1083 | --- | --- | | | | | 3425 | 1291 | 1148 | 1192 | 1209 |
| MAX | 1630 | --- | --- | | | | | 11800 | 2900 | 1780 | 1890 | 2260 |
| MIN | 876 | 877 | 10800 | | | | | 1130 | 891 | 772 | 925 | 937 |

## 07364100 OUACHITA RIVER NEAR ARKANSAS-LOUISIANA STATE LINE--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.50 | 7.98 | 21.10 | 26.13 | 34.12 | 26.85 | 21.78 | 18.98 | 8.19 | 7.51 | 8.24 | 7.82 |
| 2 | 8.61 | 7.98 | 21.31 | 28.51 | 33.93 | 26.48 | 21.92 | 18.57 | 8.54 | 7.40 | 8.23 | 8.13 |
| 3 | 8.14 | 7.96 | 21.37 | 31.06 | 33.72 | 26.14 | 22.08 | 17.86 | 10.02 | 7.62 | 8.35 | 8.07 |
| 4 | 8.27 | 7.87 | 21.49 | 33.14 | 33.46 | 25.70 | 22.19 | 16.01 | 10.07 | 7.50 | 8.33 | 7.97 |
| 5 | 8.17 | 7.93 | 21.47 | 34.60 | 33.15 | 25.24 | 22.34 | 14.29 | 10.07 | 7.71 | 8.60 | 7.91 |
| 6 | 8.03 | 7.99 | 21.26 | 35.53 | 32.86 | 24.81 | 22.47 | 13.56 | 10.07 | 7.79 | 8.97 | 7.92 |
| 7 | 7.94 | 7.89 | 21.27 | 36.15 | 32.59 | 24.40 | 22.60 | 12.65 | 9.04 | 7.76 | 9.21 | 7.67 |
| 8 | 8.01 | 7.85 | 20.87 | 36.42 | 32.36 | 24.06 | 22.73 | 11.16 | 8.30 | 7.86 | 8.19 | 7.87 |
| 9 | 8.06 | 7.93 | 20.60 | 36.52 | 32.13 | 23.84 | 22.84 | 10.90 | 8.30 | 7.86 | 8.11 | 7.77 |
| 10 | 8.02 | 8.48 | 20.39 | 36.54 | 31.89 | 23.53 | 22.92 | 10.37 | 8.43 | 7.84 | 8.07 | 7.85 |
| 11 | 7.78 | 10.12 | 20.24 | 36.44 | 31.63 | 23.67 | 22.94 | 9.62 | 8.70 | 8.11 | 8.42 | 8.28 |
| 12 | 7.84 | 11.95 | 20.11 | 36.29 | 31.36 | 23.70 | 22.97 | 9.40 | 8.39 | 7.88 | 8.11 | 8.18 |
| 13 | 7.83 | 13.45 | 19.71 | 36.09 | 31.09 | 23.70 | 22.90 | 11.06 | 8.17 | 8.02 | 8.07 | 8.05 |
| 14 | 8.02 | 14.14 | 19.44 | 35.88 | 30.80 | 23.71 | 22.73 | 10.72 | 8.09 | 9.03 | 8.03 | 8.18 |
| 15 | 7.86 | 13.84 | 18.61 | 35.66 | 30.50 | 23.71 | 22.44 | 10.64 | 8.04 | 8.89 | 7.83 | 8.72 |
| 16 | 7.94 | 15.29 | 18.22 | 35.42 | 30.19 | 23.73 | 22.04 | 9.51 | 7.96 | 9.16 | 7.80 | 8.96 |
| 17 | 8.21 | 15.92 | 18.59 | 35.20 | 29.88 | 23.73 | 21.56 | 8.78 | 8.03 | 9.02 | 7.82 | 8.96 |
| 18 | 8.30 | 17.01 | 18.82 | 34.96 | 29.64 | 23.71 | 21.17 | 8.43 | 7.87 | 8.41 | 8.28 | 8.63 |
| 19 | 8.25 | 18.07 | 19.51 | 34.93 | 29.42 | 23.65 | 20.51 | 9.04 | 7.97 | 8.60 | 8.53 | 9.12 |
| 20 | 8.16 | 19.18 | 19.91 | 34.87 | 29.19 | 23.58 | 20.45 | 8.92 | 7.83 | 8.97 | 8.66 | 9.51 |
| 21 | 8.04 | 19.57 | 19.95 | 34.82 | 28.97 | 23.45 | 20.69 | 8.94 | 7.81 | 8.97 | 8.35 | 8.32 |
| 22 | 8.44 | 19.71 | 20.45 | 34.81 | 28.77 | 23.27 | 21.00 | 9.12 | 7.77 | 8.52 | 8.30 | 8.17 |
| 23 | 8.88 | 20.06 | 20.57 | 34.83 | 28.56 | 23.03 | 21.21 | 8.89 | 8.06 | 8.53 | 8.30 | 8.07 |
| 24 | 8.63 | 20.14 | 20.58 | 34.84 | 28.35 | 22.75 | 21.24 | 9.11 | 7.83 | 8.33 | 8.57 | 8.07 |
| 25 | 8.42 | 20.16 | 20.89 | 34.82 | 28.17 | 22.54 | 21.21 | 8.68 | 8.04 | 8.36 | 8.41 | 8.07 |
| 26 | 8.40 | 19.97 | 21.18 | 34.78 | 27.97 | 22.31 | 21.07 | 8.48 | 7.76 | 8.63 | 8.27 | 8.07 |
| 27 | 8.23 | 19.94 | 22.08 | 34.74 | 27.75 | 22.10 | 20.65 | 8.70 | 7.81 | 9.18 | 8.20 | 8.07 |
| 28 | 8.22 | 20.21 | 22.43 | 34.67 | 27.49 | 21.95 | 20.22 | 8.41 | 7.68 | 8.35 | 8.21 | 8.07 |
| 29 | 8.39 | 20.38 | 23.02 | 34.57 | 27.19 | 21.90 | 19.77 | 8.72 | 7.61 | 8.25 | 7.95 | 8.07 |
| 30 | 8.33 | 20.74 | 23.67 | 34.44 | --- | 21.84 | 19.38 | 8.72 | 7.61 | 8.30 | 7.90 | 8.11 |
| 31 | 8.26 | --- | 24.65 | 34.29 | --- | 21.80 | --- | 8.51 | --- | 8.48 | 7.87 | --- |
| MAX | 8.88 | 20.74 | 24.65 | 36.54 | 34.12 | 26.85 | 22.97 | 18.98 | 10.07 | 9.18 | 9.21 | 9.51 |
| MIN | 7.78 | 7.85 | 18.22 | 26.13 | 27.19 | 21.80 | 19.38 | 8.41 | 7.61 | 7.40 | 7.80 | 7.77 |

## 07364200 BAYOU BARTHOLOMEW NEAR JONES, LA

LOCATION.--Lat 32°59'25", long 91°39'20", in SE 1/4 SW 1/4 sec.9, T.23 N., R.8 E., Morehouse Parish, Hydrologic Unit 08040205, on downstream side of right pier of bridge on State Highway 834, 1.0 mi downstream from Arkansas-Louisiana State line, and 1.6 mi northwest of Jones.

DRAINAGE AREA.--1,187 mi².

PERIOD OF RECORD.--October 1957 to current year.

GAGE.--Water-stage recorder. Datum of gage is 79.21 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Water-stage recorder for Bayou Bartholomew northwest of Jones (station 07364203) used as auxiliary gage for this station since Oct. 1, 1959. See WSP 2120 for history of changes prior to Dec. 7, 1966.

REMARKS.--Estimated discharges: (no gage-height record at auxiliary gage, Nov. 18 to Dec. 2, Dec. 20-26, Feb. 19 to Mar. 6, and May 5-16). Records good. Small diversions above station for irrigation. In extreme floods, considerable flow bypasses station. Most of flow is into the Bayou Lafourche-Boeuf River basins by way of interconnecting system of bayous and drainage ditches and passes stations Bayou Lafourche near Crew Lake (station 07369000) and Boeuf River near Girard (station 07368000). Other flow bypasses station and reenters the basin 5 mi downstream by way of Overflow Creek. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--31 years, 1,275 ft³/s, 923,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,710 ft³/s Jan. 2, 1983; maximum gage height, 28.45 ft Jan. 5, 1983; minimum discharge, 1.6 ft³/s Aug. 22, 1986, gage height, -0.45 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,010 ft³/s Jan. 26; maximum gage height, 23.42 ft Jan. 25; minimum discharge, 7.4 ft³/s July 1, gage height, -0.27 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 120 | 66 | e2300 | 2970 | 4870 | e1750 | 1790 | 1330 | 64 | 7.9 | 139 | 172 |
| 2 | 115 | 63 | e2350 | 3360 | 4860 | e1700 | 1970 | 1330 | 61 | 10 | 134 | 174 |
| 3 | 109 | 58 | 2440 | 3680 | 4820 | e1650 | 2170 | 1310 | 61 | 11 | 125 | 168 |
| 4 | 101 | 53 | 2480 | 3950 | 4770 | e1600 | 2360 | 1300 | 62 | 16 | 113 | 161 |
| 5 | 93 | 49 | 2510 | 4160 | 4700 | e1550 | 2560 | e1200 | 61 | 32 | 109 | 148 |
| 6 | 87 | 49 | 2530 | 4360 | 4620 | e1500 | 2730 | e1150 | 57 | 32 | 101 | 136 |
| 7 | 81 | 51 | 2540 | 4540 | 4530 | e1450 | 2840 | e1100 | 62 | 26 | 89 | 126 |
| 8 | 77 | 53 | 2540 | 4650 | 4410 | 1550 | 2900 | e1050 | 71 | 20 | 75 | 115 |
| 9 | 73 | 59 | 2530 | 4730 | 4280 | 1660 | 2890 | e1000 | 76 | 18 | 67 | 111 |
| 10 | 69 | 58 | 2510 | 4790 | 4130 | 1720 | 2840 | e950 | 83 | 14 | 69 | 110 |
| 11 | 66 | 48 | 2480 | 4830 | 3980 | 1780 | 2790 | e900 | 88 | 12 | 76 | 117 |
| 12 | 63 | 43 | 2440 | 4840 | 3780 | 1880 | 2700 | e850 | 92 | 14 | 86 | 120 |
| 13 | 60 | 40 | 2400 | 4870 | 3540 | 2000 | 2590 | e800 | 85 | 27 | 94 | 118 |
| 14 | 58 | 40 | 2340 | 4890 | 3320 | 2140 | 2490 | e750 | 77 | 41 | 102 | 112 |
| 15 | 56 | 43 | 2270 | 4880 | 3230 | 2230 | 2380 | e653 | 68 | 37 | 96 | 107 |
| 16 | 53 | 322 | 2200 | 4860 | 3170 | 2280 | 2270 | e545 | 57 | 39 | 93 | 102 |
| 17 | 52 | 848 | 2110 | 4830 | 2980 | 2270 | 2160 | 454 | 48 | 50 | 88 | 99 |
| 18 | 55 | e1000 | 2020 | 4810 | 2820 | 2260 | 2050 | 369 | 41 | 91 | 80 | 96 |
| 19 | 59 | e1150 | 1930 | 4880 | e2650 | 2220 | 1940 | 290 | 33 | 69 | 66 | 94 |
| 20 | 60 | e1250 | e1800 | 4960 | e2450 | 2150 | 1830 | 231 | 24 | 60 | 51 | 97 |
| 21 | 57 | e1350 | e1650 | 4960 | e2300 | 2070 | 1710 | 195 | 18 | 51 | 48 | 101 |
| 22 | 54 | e1450 | e1500 | 4940 | e2200 | 1980 | 1600 | 163 | 19 | 54 | 55 | 103 |
| 23 | 51 | e1550 | e1350 | 4930 | e2100 | 1900 | 1510 | 139 | 23 | 66 | 55 | 101 |
| 24 | 49 | e1650 | e1200 | 4940 | e2050 | 1810 | 1440 | 128 | 24 | 87 | 54 | 97 |
| 25 | 53 | e1750 | e1150 | 4970 | e2000 | 1750 | 1400 | 120 | 24 | 105 | 53 | 93 |
| 26 | 57 | e1850 | e1100 | 4980 | e1950 | 1680 | 1370 | 113 | 26 | 131 | 51 | 87 |
| 27 | 59 | e1950 | e1300 | 4980 | e1900 | 1610 | 1360 | 105 | 25 | 153 | 58 | 81 |
| 28 | 57 | e2050 | 1710 | 4970 | e1850 | 1560 | 1350 | 97 | 17 | 151 | 92 | 76 |
| 29 | 55 | e2100 | 1950 | 4950 | e1800 | 1550 | 1340 | 89 | 8.7 | 147 | 132 | 72 |
| 30 | 59 | e2250 | 2200 | 4920 | --- | 1590 | 1330 | 80 | 8.3 | 146 | 163 | 69 |
| 31 | 66 | --- | 2560 | 4900 | --- | 1670 | --- | 68 | --- | 145 | 171 | --- |
| TOTAL | 2124 | 23293 | 64390 | 144280 | 96060 | 56510 | 62660 | 18859 | 1464.0 | 1862.9 | 2785 | 3363 |
| MEAN | 68.5 | 776 | 2077 | 4654 | 3312 | 1823 | 2089 | 608 | 48.8 | 60.1 | 89.8 | 112 |
| MAX | 120 | 2250 | 2560 | 4980 | 4870 | 2280 | 2900 | 1330 | 92 | 153 | 171 | 174 |
| MIN | 49 | 40 | 1100 | 2970 | 1800 | 1450 | 1330 | 68 | 8.3 | 7.9 | 48 | 69 |
| AC-FT | 4210 | 46200 | 127700 | 286200 | 190500 | 112100 | 124300 | 37410 | 2900 | 3700 | 5520 | 6670 |

CAL YR 1987 TOTAL 473780 MEAN 1298 MAX 5960 MIN 22 AC-FT 939700
WTR YR 1988 TOTAL 477650.9 MEAN 1305 MAX 4980 MIN 7.9 AC-FT 947400

e Estimated.

### 07364200 BAYOU BARTHOLOMEW NEAR JONES, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.13 | 1.13 | 15.22 | 18.59 | 23.12 | 13.07 | 13.46 | 10.61 | .97 | -.26 | 2.29 | 2.95 |
| 2 | 2.05 | 1.06 | 15.41 | 19.57 | 23.11 | 12.93 | 14.46 | 10.57 | .92 | -.20 | 2.20 | 2.98 |
| 3 | 1.94 | .96 | 15.58 | 20.35 | 23.11 | 12.96 | 15.43 | 10.51 | .92 | -.17 | 2.06 | 2.89 |
| 4 | 1.80 | .86 | 15.74 | 20.95 | 23.01 | 12.81 | 16.28 | 10.45 | .94 | -.04 | 1.84 | 2.78 |
| 5 | 1.66 | .78 | 15.86 | 21.41 | 22.88 | 12.63 | 17.06 | 10.33 | .91 | .35 | 1.77 | 2.58 |
| 6 | 1.54 | .77 | 15.95 | 21.79 | 22.72 | 12.45 | 17.68 | 10.17 | .85 | .36 | 1.62 | 2.40 |
| 7 | 1.43 | .80 | 16.01 | 22.15 | 22.53 | 12.24 | 18.06 | 9.97 | .94 | .21 | 1.41 | 2.23 |
| 8 | 1.34 | .85 | 16.02 | 22.40 | 22.30 | 12.15 | 18.22 | 9.76 | 1.10 | .08 | 1.18 | 2.04 |
| 9 | 1.26 | .98 | 16.00 | 22.59 | 22.02 | 12.81 | 18.17 | 9.51 | 1.19 | .02 | 1.04 | 1.98 |
| 10 | 1.18 | .97 | 15.94 | 22.72 | 21.66 | 13.09 | 17.96 | 9.22 | 1.31 | -.09 | 1.07 | 1.96 |
| 11 | 1.12 | .75 | 15.83 | 22.82 | 21.24 | 13.36 | 17.64 | 8.90 | 1.39 | -.13 | 1.18 | 2.08 |
| 12 | 1.06 | .62 | 15.69 | 22.88 | 20.74 | 13.87 | 17.26 | 8.52 | 1.45 | -.09 | 1.36 | 2.13 |
| 13 | 1.01 | .56 | 15.51 | 22.94 | 20.15 | 14.51 | 16.84 | 8.09 | 1.35 | .23 | 1.49 | 2.09 |
| 14 | .96 | .55 | 15.30 | 22.96 | 19.52 | 15.02 | 16.40 | 7.59 | 1.20 | .53 | 1.65 | 2.00 |
| 15 | .91 | .63 | 15.07 | 22.96 | 18.88 | 15.35 | 15.97 | 6.99 | 1.04 | .45 | 1.53 | 1.90 |
| 16 | .85 | 4.50 | 14.76 | 22.94 | 18.18 | 15.51 | 15.51 | 6.28 | .84 | .50 | 1.48 | 1.82 |
| 17 | .83 | 8.09 | 14.42 | 22.92 | 17.47 | 15.52 | 15.03 | 5.56 | .67 | .68 | 1.39 | 1.76 |
| 18 | .89 | 9.07 | 14.05 | 22.88 | 16.84 | 15.45 | 14.61 | 4.84 | .54 | 1.45 | 1.26 | 1.70 |
| 19 | .99 | 9.97 | 13.66 | 23.14 | 16.27 | 15.26 | 14.12 | 4.21 | .36 | 1.07 | 1.01 | 1.68 |
| 20 | .99 | 10.76 | 13.26 | 23.37 | 15.65 | 14.98 | 13.60 | 3.62 | .16 | .90 | .74 | 1.73 |
| 21 | .95 | 11.41 | 12.78 | 23.37 | 15.08 | 14.65 | 13.06 | 3.11 | .01 | .73 | .66 | 1.81 |
| 22 | .87 | 11.97 | 12.25 | 23.35 | 14.63 | 14.29 | 12.52 | 2.68 | .04 | .79 | .81 | 1.84 |
| 23 | .80 | 12.49 | 11.66 | 23.36 | 14.29 | 13.90 | 12.03 | 2.29 | .15 | 1.01 | .81 | 1.80 |
| 24 | .77 | 12.96 | 11.02 | 23.38 | 14.07 | 13.49 | 11.62 | 2.11 | .16 | 1.38 | .79 | 1.73 |
| 25 | .84 | 13.37 | 10.35 | 23.41 | 13.93 | 13.28 | 11.32 | 1.96 | .17 | 1.69 | .77 | 1.66 |
| 26 | .94 | 13.76 | 9.96 | 23.41 | 13.77 | 12.99 | 11.12 | 1.85 | .20 | 2.16 | .72 | 1.54 |
| 27 | .98 | 14.08 | 12.32 | 23.39 | 13.60 | 12.62 | 10.98 | 1.70 | .19 | 2.52 | .87 | 1.43 |
| 28 | .94 | 14.51 | 13.98 | 23.36 | 13.42 | 12.36 | 10.85 | 1.55 | -.02 | 2.49 | 1.51 | 1.33 |
| 29 | .90 | 14.78 | 14.87 | 23.32 | 13.25 | 12.26 | 10.70 | 1.41 | -.24 | 2.42 | 2.25 | 1.25 |
| 30 | .99 | 15.01 | 16.02 | 23.26 | --- | 12.41 | 10.63 | 1.25 | -.25 | 2.40 | 2.76 | 1.20 |
| 31 | 1.12 | --- | 17.35 | 23.19 | --- | 12.84 | --- | 1.05 | --- | 2.40 | 2.90 | --- |
| MAX | 2.13 | 15.01 | 17.35 | 23.41 | 23.12 | 15.52 | 18.22 | 10.61 | 1.45 | 2.52 | 2.90 | 2.98 |
| MIN | .77 | .55 | 9.96 | 18.59 | 13.25 | 12.15 | 10.63 | 1.05 | -.25 | -.26 | .66 | 1.20 |

## 07364840 LAKE CLAIBORNE NEAR AYCOCK, LA

LOCATION.--Lat 32°44'20", long 92°54'18", in sec.8, T.20 N., R.5 W., Claiborne Parish, Hydrologic Unit 08040206, attached to pier of catwalk to drop inlet structure, 50 ft upstream from dam on Bayou D'Arbonne, and 2.0 mi northeast of Aycock.

DRAINAGE AREA.--133 mi².

PERIOD OF RECORD.--1962 (one discharge measurement). February 1968 to current year (gage heights and miscellaneous discharge measurements only).

GAGE.--Water-stage recorder. Datum of gage is 176.00 ft above National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development).

REMARKS.--Reservoir is formed by an earthfill dam, containing an uncontrolled concrete drop inlet spillway near the left end of dam. Outflow below spillway elevation is controlled by two 8- by 8-ft sluice gates in upstream face of drop inlet. Invert of sluice gates at -24.75 ft, gage datum, capacity, 100,000 acre-ft to 9.0 ft, gage datum. Dam completed and storage began in 1966. Reservoir is used for flood control and conservation. Gates were open Oct. 1 to Jan. 28 and closed the remainder of the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 12.03 ft May 5, 1979; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 9.41 ft Apr. 18; minimum, 2.68 ft Jan. 27, 28.

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.96 | 3.03 | 3.56 | 5.78 | 2.91 | 5.40 | 8.31 | 9.25 | 9.04 | 8.55 | 8.39 | 8.09 |
| 2 | 3.71 | 3.03 | 3.48 | 5.78 | 3.04 | 5.43 | 8.61 | 9.24 | 9.03 | 8.53 | 8.36 | 8.09 |
| 3 | 3.45 | 3.02 | 3.41 | 5.78 | 3.14 | 5.56 | 8.80 | 9.24 | 9.02 | 8.50 | 8.35 | 8.09 |
| 4 | 3.20 | 3.02 | 3.39 | 5.78 | 3.21 | 5.60 | 8.90 | 9.23 | 8.99 | 8.48 | 8.34 | 8.11 |
| 5 | 3.00 | 3.01 | 3.38 | 5.76 | 3.25 | 5.62 | 8.99 | 9.21 | 8.97 | 8.47 | 8.33 | 8.08 |
| 6 | 2.94 | 2.99 | 3.39 | 5.73 | 3.28 | 5.66 | 9.07 | 9.19 | 8.95 | 8.45 | 8.33 | 8.07 |
| 7 | 2.91 | 2.97 | 3.45 | 5.80 | 3.31 | 5.68 | 9.10 | 9.18 | 8.95 | 8.45 | 8.37 | 8.04 |
| 8 | 2.88 | 2.97 | 3.47 | 5.77 | 3.35 | 5.86 | 9.13 | 9.17 | 8.93 | 8.45 | 8.34 | 8.02 |
| 9 | 2.86 | 3.17 | 3.49 | 5.73 | 3.39 | 6.27 | 9.16 | 9.18 | 8.91 | 8.43 | 8.31 | 8.00 |
| 10 | 2.86 | 3.32 | 3.50 | 5.70 | 3.42 | 6.41 | 9.22 | 9.21 | 8.88 | 8.42 | 8.28 | 7.99 |
| 11 | 2.85 | 3.31 | 3.51 | 5.66 | 3.49 | 6.49 | 9.24 | 9.21 | 8.86 | 8.42 | 8.32 | 8.03 |
| 12 | 2.83 | 3.30 | 3.51 | 5.64 | 3.53 | 6.60 | 9.26 | 9.20 | 8.84 | 8.40 | 8.33 | 8.05 |
| 13 | 2.81 | 3.29 | 3.52 | 5.66 | 3.57 | 6.67 | 9.27 | 9.18 | 8.82 | 8.39 | 8.32 | 8.05 |
| 14 | 2.79 | 3.29 | 3.56 | 5.64 | 3.62 | 6.72 | 9.28 | 9.17 | 8.80 | 8.38 | 8.31 | 8.04 |
| 15 | 2.78 | 3.28 | 3.58 | 5.31 | 3.70 | 6.73 | 9.29 | 9.16 | 8.79 | 8.36 | 8.30 | 8.03 |
| 16 | 2.77 | 3.65 | 3.56 | 4.86 | 3.73 | 6.76 | 9.28 | 9.15 | 8.78 | 8.35 | 8.29 | 8.02 |
| 17 | 2.77 | 3.93 | 3.55 | 4.48 | 3.77 | 6.80 | 9.29 | 9.13 | 8.77 | 8.33 | 8.27 | 8.01 |
| 18 | 2.81 | 3.95 | 3.54 | 4.06 | 4.01 | 6.93 | 9.36 | 9.11 | 8.75 | 8.32 | 8.27 | 8.01 |
| 19 | 2.93 | 3.95 | 3.56 | 4.29 | 4.50 | 7.00 | 9.36 | 9.09 | 8.73 | 8.31 | 8.27 | 8.00 |
| 20 | 2.93 | 3.92 | 3.63 | 4.38 | 4.77 | 7.04 | 9.37 | 9.07 | 8.72 | 8.31 | 8.25 | 7.99 |
| 21 | 2.90 | 3.89 | 3.65 | 4.04 | 4.91 | 7.08 | 9.37 | 9.07 | 8.71 | 8.31 | 8.24 | 7.98 |
| 22 | 2.89 | 3.86 | 3.67 | 3.67 | 5.01 | 7.11 | 9.37 | 9.17 | 8.69 | 8.29 | 8.23 | 7.97 |
| 23 | 2.87 | 3.83 | 3.67 | 3.48 | 5.08 | 7.15 | 9.36 | 9.18 | 8.67 | 8.26 | 8.22 | 7.96 |
| 24 | 2.89 | 3.81 | 3.69 | 3.31 | 5.14 | 7.22 | 9.35 | 9.16 | 8.65 | 8.23 | 8.24 | 7.95 |
| 25 | 2.96 | 3.84 | 3.74 | 3.13 | 5.19 | 7.40 | 9.34 | 9.15 | 8.63 | 8.21 | 8.24 | 7.93 |
| 26 | 3.06 | 3.86 | 4.05 | 2.91 | 5.24 | 7.54 | 9.33 | 9.12 | 8.63 | 8.19 | 8.23 | 7.90 |
| 27 | 3.08 | 3.83 | 4.87 | 2.72 | 5.29 | 7.59 | 9.31 | 9.11 | 8.62 | 8.36 | 8.21 | 7.89 |
| 28 | 3.06 | 3.78 | 5.47 | 2.70 | 5.33 | 7.64 | 9.29 | 9.09 | 8.60 | 8.44 | 8.19 | 7.88 |
| 29 | 3.05 | 3.70 | 5.63 | 2.75 | 5.37 | 7.76 | 9.27 | 9.07 | 8.59 | 8.43 | 8.17 | 7.87 |
| 30 | 3.04 | 3.63 | 5.67 | 2.79 | --- | 7.97 | 9.26 | 9.05 | 8.57 | 8.42 | 8.14 | 7.94 |
| 31 | 3.03 | --- | 5.73 | 2.85 | --- | 8.16 | --- | 9.04 | --- | 8.41 | 8.11 | --- |
| MAX | 3.96 | 3.95 | 5.73 | 5.80 | 5.37 | 8.16 | 9.37 | 9.25 | 9.04 | 8.55 | 8.39 | 8.11 |
| MIN | 2.77 | 2.97 | 3.38 | 2.70 | 2.91 | 5.40 | 8.31 | 9.04 | 8.57 | 8.19 | 8.11 | 7.87 |

## 07366200 LITTLE CORNEY BAYOU NEAR LILLIE, LA

LOCATION.--Lat 32°55'45", long 92°37'58", in NW 1/4 sec.1, T.22 N., R.3 W., Union Parish, Hydrologic Unit 08040206, left bank on downstream side of bridge on State Highway 15, 1.4 mi east of Lillie, and 2.6 mi upstream from mouth.

DRAINAGE AREA.--208 mi$^2$.

PERIOD OF RECORD.--October 1955 to current year.

REVISED RECORDS.--WDR LA-79-1: 1978(M).

GAGE.--Water-stage recorder. Datum of gage is 91.48 ft above National Geodetic Vertical Datum of 1929. October 1955 to Jan. 26, 1956, nonrecording gage, Jan. 27, 1956, to May 31, 1978, water-stage recorder, at site 500 ft downstream at same datum.

REMARKS.--No estimated daily discharges. Records good. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--33 years, 189 ft$^3$/s, 12.34 in/yr, 136,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24,000 ft$^3$/s June 9, 1974, gage height, 17.54 ft, from floodmark; no flow Aug. 18-20, Sept. 21 to Oct. 1, Oct. 3-5, 1956, Aug. 11-14, 1964.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 1,200 ft$^3$/s and maximum (*):

| Date | Time | Discharge (ft$^3$/s) | Gage height (ft) | Date | Time | Discharge (ft$^3$/s) | Gage height (ft) |
|---|---|---|---|---|---|---|---|
| Dec. 29 | 0700 | *2,880 | *9.04 | Jan. 21 | 0400 | 1,570 | 8.01 |

Minimum discharge, no flow for several days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .28 | 3.0 | 228 | 759 | 90 | 77 | 604 | 14 | 2.5 | .95 | 1.5 | 2.7 |
| 2 | .25 | 4.1 | 108 | 585 | 154 | 75 | 704 | 13 | 2.1 | .84 | 1.4 | 2.3 |
| 3 | .15 | 4.4 | 67 | 440 | 249 | 104 | 693 | 12 | 3.1 | .77 | 1.2 | 2.3 |
| 4 | .10 | 4.6 | 53 | 360 | 278 | 171 | 564 | 10 | 14 | .53 | 1.2 | 2.3 |
| 5 | .06 | 5.7 | 48 | 319 | 323 | 196 | 522 | 9.2 | 23 | .30 | 1.3 | 11 |
| 6 | .04 | 7.0 | 46 | 288 | 351 | 203 | 518 | 7.8 | 16 | .26 | 1.0 | 11 |
| 7 | .03 | 8.8 | 58 | 285 | 305 | 166 | 419 | 7.9 | 8.6 | .36 | .65 | 6.0 |
| 8 | .02 | 10 | 75 | 261 | 205 | 196 | 281 | 6.9 | 4.8 | 1.2 | .55 | 3.5 |
| 9 | .01 | 17 | 73 | 214 | 134 | 747 | 145 | 6.3 | 3.2 | 3.6 | .65 | 2.5 |
| 10 | .0 | 67 | 65 | 169 | 108 | 704 | 90 | 7.3 | 2.6 | 2.6 | .71 | 2.1 |
| 11 | .00 | 101 | 54 | 136 | 97 | 560 | 72 | 15 | 2.0 | 1.8 | .76 | 2.2 |
| 12 | .00 | 107 | 48 | 125 | 99 | 570 | 70 | 15 | 1.7 | 1.4 | .77 | 16 |
| 13 | .00 | 104 | 44 | 173 | 109 | 492 | 75 | 14 | 1.5 | 1.0 | .74 | 34 |
| 14 | .00 | 78 | 48 | 245 | 124 | 371 | 74 | 13 | 1.5 | 1.1 | .71 | 25 |
| 15 | .00 | 47 | 53 | 280 | 194 | 273 | 66 | 11 | 1.4 | 1.1 | .78 | 14 |
| 16 | .00 | 117 | 56 | 314 | 270 | 203 | 56 | 7.3 | 1.3 | 1.2 | .93 | 7.7 |
| 17 | .00 | 333 | 53 | 365 | 222 | 142 | 49 | 5.2 | 1.3 | .96 | .68 | 5.2 |
| 18 | .00 | 509 | 50 | 423 | 246 | 125 | 52 | 3.9 | 1.3 | .95 | .71 | 4.5 |
| 19 | .00 | 499 | 48 | 492 | 500 | 154 | 78 | 3.5 | 1.3 | .85 | .80 | 4.0 |
| 20 | .00 | 438 | 63 | 1200 | 631 | 156 | 102 | 3.1 | 1.1 | .78 | .69 | 3.6 |
| 21 | .00 | 463 | 89 | 1510 | 739 | 151 | 119 | 2.6 | 1.1 | .71 | .99 | 3.2 |
| 22 | .0 | 410 | 110 | 1290 | 814 | 130 | 132 | 5.2 | 1.3 | .91 | 21 | 3.0 |
| 23 | .01 | 190 | 118 | 893 | 636 | 105 | 108 | 31 | 1.3 | .77 | 38 | 3.0 |
| 24 | .03 | 71 | 105 | 619 | 451 | 109 | 69 | 38 | 1.3 | .60 | 17 | 2.9 |
| 25 | .14 | 76 | 83 | 436 | 303 | 151 | 48 | 33 | 1.4 | .48 | 34 | 2.2 |
| 26 | .59 | 170 | 186 | 295 | 171 | 292 | 36 | 23 | 1.4 | .53 | 36 | 2.1 |
| 27 | 2.6 | 264 | 1090 | 178 | 113 | 451 | 27 | 14 | 1.4 | 1.1 | 21 | 2.0 |
| 28 | 2.6 | 304 | 1920 | 124 | 94 | 626 | 22 | 9.1 | 1.3 | 2.6 | 10 | 1.7 |
| 29 | 2.4 | 326 | 2670 | 105 | 84 | 652 | 18 | 5.9 | 1.2 | 2.5 | 4.9 | 1.7 |
| 30 | 2.3 | 318 | 1650 | 91 | --- | 642 | 15 | 4.4 | 1.1 | 2.2 | 2.9 | 10 |
| 31 | 2.3 | --- | 1040 | 86 | --- | 594 | --- | 3.5 | --- | 1.9 | 2.6 | --- |
| TOTAL | 13.91 | 5056.6 | 10399 | 13060 | 8094 | 9588 | 5828 | 355.1 | 107.1 | 36.85 | 206.12 | 193.7 |
| MEAN | .45 | 169 | 335 | 421 | 279 | 309 | 194 | 11.5 | 3.57 | 1.19 | 6.65 | 6.46 |
| MAX | 2.6 | 509 | 2670 | 1510 | 814 | 747 | 704 | 38 | 23 | 3.6 | 38 | 34 |
| MIN | .00 | 3.0 | 44 | 86 | 84 | 75 | 15 | 2.6 | 1.1 | .26 | .55 | 1.7 |
| AC-FT | 28 | 10030 | 20630 | 25900 | 16050 | 19020 | 11560 | 704 | 212 | 73 | 409 | 384 |
| CFSM | .00 | .81 | 1.61 | 2.03 | 1.34 | 1.49 | .93 | .06 | .02 | .01 | .03 | .03 |
| IN. | .00 | .90 | 1.86 | 2.34 | 1.45 | 1.71 | 1.04 | .06 | .02 | .01 | .04 | .03 |

CAL YR 1987 TOTAL 68432.99 MEAN 187 MAX 2690 MIN .00 AC-FT 135700 CFSM .90 IN. 12.24
WTR YR 1988 TOTAL 52938.38 MEAN 145 MAX 2670 MIN .00 AC-FT 105000 CFSM .70 IN. 9.47

## 07366200 LITTLE CORNEY BAYOU NEAR LILLIE, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.22 | 2.71 | 5.37 | 6.91 | 4.38 | 4.21 | 6.58 | 2.86 | 2.27 | 1.94 | 2.11 | 2.19 |
| 2 | 2.18 | 2.78 | 4.56 | 6.53 | 4.94 | 4.18 | 6.80 | 2.83 | 2.22 | 1.90 | 2.06 | 2.14 |
| 3 | 2.12 | 2.78 | 4.05 | 6.20 | 5.47 | 4.53 | 6.77 | 2.77 | 2.30 | 1.88 | 2.01 | 2.14 |
| 4 | 2.08 | 2.75 | 3.81 | 5.96 | 5.61 | 5.08 | 6.48 | 2.71 | 2.84 | 1.78 | 2.02 | 2.13 |
| 5 | 2.04 | 2.80 | 3.70 | 5.79 | 5.81 | 5.23 | 6.38 | 2.68 | 3.12 | 1.68 | 2.06 | 2.64 |
| 6 | 2.00 | 2.84 | 3.66 | 5.66 | 5.92 | 5.26 | 6.38 | 2.62 | 2.91 | 1.66 | 1.96 | 2.66 |
| 7 | 1.96 | 2.89 | 3.90 | 5.64 | 5.73 | 5.04 | 6.14 | 2.62 | 2.65 | 1.70 | 1.83 | 2.45 |
| 8 | 1.93 | 2.91 | 4.18 | 5.53 | 5.26 | 5.13 | 5.62 | 2.58 | 2.46 | 1.95 | 1.79 | 2.28 |
| 9 | 1.92 | 3.16 | 4.15 | 5.32 | 4.82 | 6.87 | 4.88 | 2.55 | 2.34 | 2.37 | 1.83 | 2.16 |
| 10 | 1.90 | 4.31 | 4.03 | 5.06 | 4.58 | 6.79 | 4.37 | 2.60 | 2.28 | 2.27 | 1.85 | 2.10 |
| 11 | 1.89 | 4.76 | 3.84 | 4.83 | 4.46 | 6.47 | 4.14 | 2.89 | 2.21 | 2.16 | 1.88 | 2.13 |
| 12 | 1.89 | 4.80 | 3.70 | 4.74 | 4.49 | 6.50 | 4.11 | 2.89 | 2.14 | 2.06 | 1.88 | 2.81 |
| 13 | 1.88 | 4.72 | 3.61 | 5.08 | 4.60 | 6.32 | 4.18 | 2.85 | 2.10 | 1.97 | 1.87 | 3.37 |
| 14 | 1.88 | 4.36 | 3.70 | 5.46 | 4.73 | 5.99 | 4.17 | 2.81 | 2.10 | 2.00 | 1.86 | 3.11 |
| 15 | 1.88 | 3.79 | 3.82 | 5.62 | 5.19 | 5.59 | 4.04 | 2.72 | 2.06 | 2.00 | 1.87 | 2.72 |
| 16 | 1.88 | 4.57 | 3.87 | 5.77 | 5.57 | 5.26 | 3.86 | 2.60 | 2.05 | 2.00 | 1.93 | 2.46 |
| 17 | 1.88 | 5.82 | 3.80 | 5.97 | 5.35 | 4.87 | 3.73 | 2.48 | 2.05 | 1.94 | 1.84 | 2.32 |
| 18 | 1.89 | 6.32 | 3.75 | 6.16 | 5.46 | 4.74 | 3.78 | 2.40 | 2.03 | 1.94 | 1.85 | 2.27 |
| 19 | 1.96 | 6.28 | 3.71 | 6.32 | 6.33 | 4.96 | 4.22 | 2.37 | 2.04 | 1.91 | 1.89 | 2.23 |
| 20 | 1.99 | 6.11 | 3.98 | 7.54 | 6.64 | 4.98 | 4.52 | 2.33 | 1.99 | 1.88 | 1.85 | 2.19 |
| 21 | 2.00 | 6.18 | 4.37 | 7.95 | 6.87 | 4.94 | 4.69 | 2.28 | 1.99 | 1.86 | 1.93 | 2.15 |
| 22 | 2.01 | 6.02 | 4.60 | 7.70 | 7.02 | 4.78 | 4.80 | 2.44 | 2.04 | 1.92 | 2.93 | 2.12 |
| 23 | 2.02 | 5.11 | 4.68 | 7.14 | 6.65 | 4.55 | 4.57 | 3.33 | 2.05 | 1.88 | 3.48 | 2.13 |
| 24 | 2.04 | 4.10 | 4.56 | 6.61 | 6.22 | 4.60 | 4.08 | 3.49 | 2.04 | 1.81 | 2.96 | 2.11 |
| 25 | 2.17 | 4.17 | 4.30 | 6.18 | 5.72 | 4.93 | 3.70 | 3.38 | 2.07 | 1.76 | 3.39 | 2.02 |
| 26 | 2.37 | 5.05 | 5.02 | 5.69 | 5.06 | 5.67 | 3.45 | 3.12 | 2.07 | 1.78 | 3.42 | 2.02 |
| 27 | 2.82 | 5.54 | 7.35 | 5.11 | 4.63 | 6.21 | 3.25 | 2.84 | 2.07 | 1.99 | 3.02 | 2.00 |
| 28 | 2.79 | 5.73 | 8.33 | 4.73 | 4.43 | 6.62 | 3.10 | 2.67 | 2.04 | 2.26 | 2.64 | 1.94 |
| 29 | 2.73 | 5.82 | 8.89 | 4.55 | 4.31 | 6.68 | 2.99 | 2.53 | 2.01 | 2.26 | 2.38 | 1.92 |
| 30 | 2.68 | 5.79 | 8.07 | 4.39 | --- | 6.66 | 2.91 | 2.43 | 1.98 | 2.23 | 2.22 | 2.42 |
| 31 | 2.65 | --- | 7.37 | 4.33 | --- | 6.55 | --- | 2.36 | --- | 2.19 | 2.18 | --- |
| MAX | 2.82 | 6.32 | 8.89 | 7.95 | 7.02 | 6.87 | 6.80 | 3.49 | 3.12 | 2.37 | 3.48 | 3.37 |
| MIN | 1.88 | 2.71 | 3.61 | 4.33 | 4.31 | 4.18 | 2.91 | 2.28 | 1.98 | 1.66 | 1.79 | 1.92 |

## 07366300 BAYOU D'ARBONNE LAKE AT FARMERVILLE, LA

LOCATION.--Lat 32°45'25", long 92°24'50", in NW 1/4 NW 1/4 sec.6, T.20 N., R.1 E., Union Parish, Hydrologic Unit 08040206, near right bank on downstream side of bridge on State Highway 33, 0.6 mi southwest of Farmerville, and 5.0 mi upstream from dam on Bayou D'Arbonne.

DRAINAGE AREA.--1,607 mi² at dam, 1,470 mi² at site.

PERIOD OF RECORD.--December 1964 to current year (gage heights and miscellaneous discharge measurements only). August 1925 to current year in reports of Corps of Engineers, Vicksburg district. Published as Lake D'Arbonne at Farmerville, December 1964 to September 1968.

REVISED RECORDS.--WRD LA-71: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 40.40 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Reservoir is formed by an earthfill dam containing a 799-ft uncontrolled concrete spillway at left end. Capacity, 130,000 acre-ft at spillway crest, 39.60 ft, gage datum. There is no dead storage. Outflow below spillway crest controlled by four 5- by 5-ft sluice gates at outlet. Invert elevation of sluice gates at 17.6 ft gage datum. Dam complete and storage began in 1964. Reservoir is used for flood control, conservation, and recreation. Gates were closed during the water year.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 45.43 ft June 11, 1974.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1925, 45.71 ft Apr. 30, 1958, (from Corps of Engineers records).

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 42.17 ft Dec. 31; minimum, 39.17 ft July 17.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 40.05 | 39.84 | 40.37 | 42.13 | 40.59 | 40.59 | 41.06 | 40.09 | 39.77 | 39.35 | 39.65 | 39.39 |
| 2 | 40.05 | 39.83 | 40.36 | 41.95 | 40.60 | 40.53 | 41.32 | 40.06 | 39.76 | 39.33 | 39.64 | 39.39 |
| 3 | 40.04 | 39.82 | 40.35 | 41.73 | 40.63 | 40.56 | 41.46 | 40.04 | 39.77 | 39.32 | 39.62 | 39.41 |
| 4 | 40.04 | 39.82 | 40.31 | 41.49 | 40.68 | 40.54 | 41.49 | 40.00 | 39.76 | 39.29 | 39.61 | 39.46 |
| 5 | 40.05 | 39.80 | 40.27 | 41.29 | 40.66 | 40.53 | 41.45 | 39.97 | 39.73 | 39.27 | 39.61 | 39.44 |
| 6 | 40.06 | 39.78 | 40.23 | 41.11 | 40.62 | 40.51 | 41.31 | 39.95 | 39.72 | 39.26 | 39.60 | 39.42 |
| 7 | 40.04 | 39.77 | 40.21 | 41.03 | 40.60 | 40.49 | 41.15 | 39.94 | 39.72 | 39.27 | 39.58 | 39.39 |
| 8 | 40.00 | 39.77 | 40.20 | 40.90 | 40.58 | 40.64 | 41.06 | 39.92 | 39.71 | 39.26 | 39.56 | 39.37 |
| 9 | 39.96 | 39.90 | 40.18 | 40.82 | 40.57 | 41.16 | 40.98 | 39.92 | 39.69 | 39.25 | 39.54 | 39.36 |
| 10 | 39.93 | 39.97 | 40.16 | 40.75 | 40.54 | 41.42 | 40.89 | 39.92 | 39.66 | 39.24 | 39.51 | 39.36 |
| 11 | 39.90 | 39.96 | 40.14 | 40.68 | 40.52 | 41.58 | 40.76 | 39.91 | 39.64 | 39.25 | 39.50 | 39.45 |
| 12 | 39.87 | 39.96 | 40.13 | 40.63 | 40.45 | 41.62 | 40.65 | 39.90 | 39.61 | 39.24 | 39.49 | 39.45 |
| 13 | 39.84 | 39.96 | 40.10 | 40.61 | 40.42 | 41.49 | 40.57 | 39.91 | 39.59 | 39.25 | 39.50 | 39.44 |
| 14 | 39.82 | 39.95 | 40.10 | 40.62 | 40.41 | 41.29 | 40.51 | 39.90 | 39.58 | 39.24 | 39.49 | 39.45 |
| 15 | 39.80 | 39.96 | 40.07 | 40.62 | 40.41 | 41.13 | 40.44 | 39.88 | 39.57 | 39.22 | 39.48 | 39.44 |
| 16 | 39.79 | 40.36 | 40.04 | 40.62 | 40.41 | 41.01 | 40.39 | 39.87 | 39.55 | 39.20 | 39.46 | 39.43 |
| 17 | 39.79 | 40.71 | 40.03 | 40.68 | 40.43 | 40.91 | 40.36 | 39.85 | 39.54 | 39.18 | 39.44 | 39.43 |
| 18 | 39.80 | 40.83 | 40.03 | 40.75 | 40.53 | 40.86 | 40.42 | 39.83 | 39.53 | 39.19 | 39.45 | 39.42 |
| 19 | 39.89 | 40.86 | 40.05 | 41.00 | 40.73 | 40.80 | 40.42 | 39.81 | 39.51 | 39.26 | 39.46 | 39.41 |
| 20 | 39.87 | 40.77 | 40.11 | 41.33 | 40.88 | 40.75 | 40.41 | 39.80 | 39.52 | 39.39 | 39.45 | 39.40 |
| 21 | 39.85 | 40.64 | 40.14 | 41.41 | 40.98 | 40.69 | 40.38 | 39.79 | 39.51 | 39.42 | 39.48 | 39.39 |
| 22 | 39.82 | 40.54 | 40.15 | 41.53 | 41.02 | 40.64 | 40.36 | 39.85 | 39.49 | 39.40 | 39.52 | 39.38 |
| 23 | 39.81 | 40.48 | 40.15 | 41.70 | 41.04 | 40.60 | 40.35 | 39.85 | 39.48 | 39.38 | 39.51 | 39.36 |
| 24 | 39.81 | 40.42 | 40.17 | 41.73 | 41.06 | 40.58 | 40.32 | 39.85 | 39.47 | 39.36 | 39.51 | 39.36 |
| 25 | 39.87 | 40.41 | 40.19 | 41.61 | 41.05 | 40.65 | 40.30 | 39.84 | 39.45 | 39.34 | 39.51 | 39.37 |
| 26 | 39.93 | 40.40 | 40.31 | 41.42 | 41.00 | 40.74 | 40.26 | 39.83 | 39.45 | 39.38 | 39.50 | 39.35 |
| 27 | 39.92 | 40.40 | 41.07 | 41.25 | 40.90 | 40.79 | 40.22 | 39.82 | 39.44 | 39.56 | 39.48 | 39.33 |
| 28 | 39.89 | 40.40 | 41.64 | 41.08 | 40.79 | 40.79 | 40.18 | 39.82 | 39.41 | 39.63 | 39.47 | 39.32 |
| 29 | 39.87 | 40.38 | 41.89 | 40.94 | 40.69 | 40.80 | 40.14 | 39.80 | 39.40 | 39.66 | 39.45 | 39.31 |
| 30 | 39.86 | 40.38 | 42.04 | 40.81 | --- | 40.86 | 40.11 | 39.78 | 39.37 | 39.67 | 39.42 | 39.32 |
| 31 | 39.85 | --- | 42.14 | 40.68 | --- | 40.97 | --- | 39.78 | --- | 39.67 | 39.40 | --- |
| MAX | 40.06 | 40.86 | 42.14 | 42.13 | 41.06 | 41.62 | 41.49 | 40.09 | 39.77 | 39.67 | 39.65 | 39.46 |
| MIN | 39.79 | 39.77 | 40.03 | 40.61 | 40.41 | 40.49 | 40.11 | 39.78 | 39.37 | 39.18 | 39.40 | 39.31 |

## 07366472 CHAUVIN BAYOU NEAR MONROE, LA

LOCATION.--Lat 32°33'34", long 92°04'31", in NE 1/4 NE 1/4 lot 43, T.18 N., R.4 E., Ouachita Parish, Hydrologic Unit 08040207, on downstream end of culvert on U.S. Highway 165, 2.5 mi north of Sherrouse School at Monroe, and 4.0 mi upstream from mouth.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--November 1977 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of the gage is 31.17 ft above National Geodetic Vertical Datum of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 40.41 ft Jan. 2, 1983; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 37.12 ft Feb. 19; minimum, 29.91 ft July 3, 4.

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 30.80 | 30.85 | 31.54 | 34.38 | 36.65 | 35.70 | 31.89 | 30.85 | 30.48 | 30.07 | 30.77 | 30.62 |
| 2 | 30.80 | 30.84 | 31.47 | 34.41 | 36.79 | 35.47 | 32.67 | 30.84 | 30.50 | 29.93 | 30.74 | 30.63 |
| 3 | 30.81 | 30.86 | 31.43 | 34.58 | 36.95 | 35.34 | 32.46 | 30.82 | 30.61 | 29.92 | 30.72 | 30.66 |
| 4 | 30.80 | 30.85 | 31.44 | 34.92 | 36.98 | 35.05 | 32.26 | 30.79 | 30.59 | 30.33 | 30.71 | 30.67 |
| 5 | 30.79 | 30.85 | 31.45 | 35.17 | 36.99 | 34.68 | 32.13 | 30.78 | 30.59 | 31.16 | 30.69 | 30.63 |
| 6 | 30.78 | 30.83 | 31.44 | 35.33 | 37.01 | 34.20 | 31.99 | 30.76 | 30.56 | 30.90 | 30.68 | 30.59 |
| 7 | 30.78 | 30.81 | 31.39 | 35.49 | 37.01 | 33.66 | 31.83 | 30.74 | 30.49 | 30.85 | 30.65 | 30.54 |
| 8 | 30.77 | 30.83 | 31.38 | 35.58 | 37.00 | 33.43 | 31.68 | 30.73 | 30.48 | 30.84 | 30.63 | 30.52 |
| 9 | 30.79 | 31.13 | 31.37 | 35.65 | 37.00 | 33.82 | 31.59 | 30.72 | 30.51 | 30.84 | 30.59 | 30.52 |
| 10 | 30.80 | 31.16 | 31.35 | 35.71 | 36.98 | 33.37 | 31.49 | 30.67 | 30.55 | 30.84 | 30.61 | 30.57 |
| 11 | 30.80 | 31.03 | 31.33 | 35.75 | 36.99 | 33.00 | 31.41 | 30.64 | 30.35 | 30.93 | 30.61 | 30.79 |
| 12 | 30.80 | 30.97 | 31.31 | 35.80 | 36.99 | 32.81 | 31.38 | 30.62 | 30.41 | 30.87 | 30.61 | 30.76 |
| 13 | 30.82 | 30.91 | 31.30 | 35.84 | 36.97 | 32.65 | 31.34 | 30.60 | 30.50 | 30.83 | 30.62 | 30.64 |
| 14 | 30.81 | 30.90 | 31.32 | 35.87 | 36.96 | 32.38 | 31.32 | 30.58 | 30.46 | 30.78 | 30.57 | 30.71 |
| 15 | 30.80 | 30.94 | 31.37 | 35.91 | 36.97 | 32.07 | 31.28 | 30.57 | 30.31 | 30.76 | 30.71 | 30.70 |
| 16 | 30.81 | 33.90 | 31.32 | 35.94 | 36.95 | 31.82 | 31.10 | 30.56 | 30.37 | 30.77 | 30.58 | 30.76 |
| 17 | 30.80 | --- | 31.23 | 35.98 | 36.93 | 31.63 | 30.94 | 30.55 | 30.52 | 30.74 | 30.61 | 30.74 |
| 18 | 30.81 | --- | 31.17 | 36.00 | 37.02 | 31.74 | 30.87 | 30.66 | 30.59 | 30.76 | 30.55 | 30.75 |
| 19 | 30.84 | --- | 31.20 | 36.19 | 37.11 | 31.60 | 30.79 | 30.75 | 30.48 | 30.78 | 30.56 | 30.76 |
| 20 | 30.85 | --- | 31.31 | 36.40 | 37.11 | 31.46 | 30.74 | 30.85 | 30.54 | 31.13 | 30.63 | 30.74 |
| 21 | 30.82 | --- | 31.26 | 36.47 | 37.04 | 31.37 | 30.71 | 30.82 | 30.43 | 31.06 | 30.73 | 30.74 |
| 22 | 30.79 | --- | 31.22 | 36.51 | 36.94 | 31.31 | 30.68 | 30.87 | 30.52 | 30.87 | 30.85 | 30.73 |
| 23 | 30.81 | --- | 31.20 | 36.55 | 36.82 | 31.28 | 30.66 | 30.88 | 30.61 | 30.78 | 30.78 | 30.72 |
| 24 | 30.83 | 31.10 | 31.19 | 36.58 | 36.70 | 31.29 | 30.63 | 30.83 | 30.48 | 30.73 | 30.80 | 30.71 |
| 25 | 30.88 | 31.09 | 31.22 | 36.60 | 36.56 | 31.64 | 30.55 | 30.75 | 30.63 | 30.76 | 30.82 | 30.72 |
| 26 | 30.98 | 31.48 | 31.75 | 36.62 | 36.41 | 31.56 | 30.53 | 30.68 | 30.62 | 30.95 | 30.78 | 30.69 |
| 27 | 30.98 | 31.66 | 35.01 | 36.62 | 36.26 | 31.40 | 30.67 | 30.64 | 30.64 | 31.28 | 30.74 | 30.58 |
| 28 | 30.90 | 31.85 | 35.05 | 36.63 | 36.09 | 31.34 | 30.80 | 30.59 | 30.42 | 31.08 | 30.73 | 30.55 |
| 29 | 30.89 | 31.73 | 34.75 | 36.62 | 35.91 | 31.36 | 30.85 | 30.53 | 30.63 | 30.89 | 30.72 | 30.57 |
| 30 | 30.88 | 31.63 | 34.48 | 36.62 | --- | 31.46 | 30.85 | 30.57 | 30.56 | 30.85 | 30.71 | 30.91 |
| 31 | 30.83 | --- | 34.37 | 36.62 | --- | 31.91 | --- | 30.56 | --- | 30.80 | 30.63 | --- |
| MAX | 30.98 | --- | 35.05 | 36.63 | 37.11 | 35.70 | 32.67 | 30.88 | 30.64 | 31.28 | 30.85 | 30.91 |
| MIN | 30.77 | 30.81 | 31.17 | 34.38 | 35.91 | 31.28 | 30.53 | 30.53 | 30.31 | 29.92 | 30.55 | 30.52 |

## 07367630 OUACHITA RIVER AT COLUMBIA LOCK AND DAM, NEAR RIVERTON, LA

LOCATION.--Lat 32°10'00", long 92°06'45", on line between NE 1/4 and SE 1/4 sec.25, T.14 N., R.4 E., Caldwell Parish, Hydrologic Unit 08040207, near left bank on upstream end of lock wall of Columbia Lock and Dam on the Ouachita River, 1.0 mi northwest of Riverton, and 4.0 mi northwest of Columbia.

DRAINAGE AREA.--15,630 mi².

PERIOD OF RECORD.--October 1975 to September 1987. October 1987 to September 1988 (gage heights only). Gage-height records, April 1972 to December 1975, in reports of Corps of Engineers, Vicksburg district.

REVISED.--WDR LA-81-1: 1981(M).

GAGE.--Water-stage and gage-position recorders, a broad-crested weir and four radial gates. Datum of gage is National Geodetic Vertical Datum of 1919. Prior to October 2, 1987, datum of gage was 23.88 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to October 1981 water-stage recorder for Ouachita River at Columbia (station 07367640) used as auxiliary gage for this station.

REMARKS.--Considerable regulation by five reservoirs in Arkansas and two reservoirs in Louisiana, combined capacity, 3,337,880 acre-ft, and a series of navigation locks and dams.

AVERAGE DISCHARGE.--12 years, 17,600 ft³/s, 12,780,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 79,700 ft³/s, Jan. 10, 1983, tailwater gage height, 44.82 ft, minimum daily, 452 ft³/s Oct. 24, 1985.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 62.22 ft Jan. 24; minimum elevation, 51.27 ft July 4.

### ELEVATION, (FEET NGVD), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 52.06 | 52.04 | 51.78 | 52.43 | 61.30 | 53.94 | 51.83 | 51.82 | 51.98 | 51.44 | 52.22 | 51.78 |
| 2 | 52.26 | 51.92 | 51.83 | 53.34 | 61.16 | 53.56 | 51.83 | 51.80 | 52.00 | 51.41 | 52.15 | 51.87 |
| 3 | 52.17 | 51.96 | 51.81 | 54.23 | 61.01 | 53.42 | 51.77 | 51.84 | 52.25 | 51.41 | 52.15 | 51.87 |
| 4 | 52.14 | 51.87 | 51.82 | 55.10 | 60.90 | 52.98 | 51.82 | 51.78 | 52.14 | 51.46 | 52.21 | 51.96 |
| 5 | 52.07 | 51.92 | 51.82 | 55.96 | 60.74 | 52.63 | 51.80 | 51.79 | 52.13 | 51.61 | 52.22 | 51.94 |
| 6 | 52.10 | 51.92 | 51.81 | --- | 60.58 | 52.25 | 51.82 | 51.83 | 52.16 | 51.70 | 52.34 | 51.90 |
| 7 | 52.00 | 51.83 | --- | --- | 60.33 | 51.87 | 51.80 | 51.85 | 52.20 | 51.74 | 52.27 | 51.88 |
| 8 | 51.94 | 51.79 | --- | --- | 60.05 | 51.82 | 51.81 | 52.03 | 52.15 | 51.77 | 52.10 | 51.80 |
| 9 | 51.92 | 51.90 | 51.83 | --- | 59.74 | 51.82 | 51.81 | 52.04 | 52.11 | 51.77 | 52.02 | 51.76 |
| 10 | 52.01 | 52.19 | 51.77 | --- | 59.43 | 51.79 | 51.83 | 52.22 | 52.16 | 51.72 | 51.96 | 51.85 |
| 11 | 51.96 | 52.36 | 51.80 | --- | 59.13 | 51.81 | 51.80 | 52.11 | 52.19 | 51.81 | 51.97 | 51.91 |
| 12 | 51.92 | 52.31 | 51.78 | --- | 58.83 | 51.83 | 51.80 | 52.20 | 52.23 | 51.77 | 52.05 | 52.05 |
| 13 | 51.87 | 52.20 | 51.79 | 61.21 | 58.52 | 51.80 | 51.81 | 52.25 | 52.12 | 51.77 | 51.95 | 52.03 |
| 14 | 51.84 | 52.21 | 51.79 | 61.41 | 58.18 | 51.79 | 51.81 | 52.17 | 51.99 | 51.77 | 51.89 | 52.00 |
| 15 | 51.88 | 52.13 | 51.82 | 61.63 | 57.83 | 51.81 | 51.80 | 52.09 | 51.94 | 51.93 | 51.86 | 52.17 |
| 16 | 51.84 | 52.11 | 51.80 | 61.75 | 57.51 | 51.79 | 51.79 | 52.15 | 51.90 | 52.28 | 51.76 | 52.34 |
| 17 | 51.97 | 51.61 | 51.87 | 61.81 | 57.17 | 51.78 | 51.79 | 52.18 | 51.85 | 52.36 | 51.74 | 52.29 |
| 18 | 52.08 | 51.81 | 51.95 | 61.82 | 57.05 | 51.80 | 51.81 | 52.22 | 51.76 | 52.19 | 51.63 | 52.23 |
| 19 | 52.21 | 51.81 | 51.79 | 61.92 | 56.96 | 51.81 | 51.80 | 52.22 | 51.76 | 52.13 | 51.94 | 52.29 |
| 20 | 52.24 | 51.80 | 51.83 | 62.00 | 56.77 | 51.80 | 51.84 | 52.20 | 51.72 | 52.32 | 52.11 | 52.31 |
| 21 | 52.15 | 51.82 | 51.82 | 62.00 | 56.61 | 51.77 | 51.79 | 52.19 | 51.67 | 52.37 | 52.22 | 52.10 |
| 22 | 52.09 | 51.77 | 51.79 | 62.05 | 56.46 | 51.80 | 51.81 | 52.19 | 51.66 | 52.22 | 52.17 | 52.06 |
| 23 | 52.29 | 51.77 | 51.80 | 62.11 | 56.22 | 51.78 | 51.80 | 52.20 | 51.68 | 52.21 | 52.14 | 52.05 |
| 24 | 52.36 | 51.82 | 51.87 | 62.13 | 55.99 | 51.78 | 51.82 | 52.27 | 51.69 | 52.21 | 52.17 | 52.05 |
| 25 | 52.31 | 51.79 | 51.78 | 62.14 | 55.69 | 51.85 | 51.84 | 52.24 | 51.68 | 52.12 | 52.17 | 52.13 |
| 26 | 52.27 | 51.80 | 51.82 | 62.14 | 55.41 | 51.82 | 51.81 | 52.13 | 51.68 | 52.32 | 52.17 | 52.15 |
| 27 | 52.31 | 51.84 | 51.85 | 62.06 | 55.09 | 51.79 | 51.83 | 52.22 | 51.63 | 52.39 | 52.07 | 52.17 |
| 28 | 52.16 | 51.82 | 51.83 | 61.97 | 54.73 | 51.80 | 51.82 | 52.15 | 51.65 | 52.16 | 52.05 | 52.11 |
| 29 | 52.12 | 51.80 | 51.85 | 61.82 | 54.34 | 51.82 | 51.80 | 52.17 | 51.49 | 52.12 | 52.04 | 51.99 |
| 30 | 52.17 | 51.81 | 51.87 | 61.65 | --- | 51.83 | 51.81 | 52.24 | 51.51 | 52.18 | 51.92 | 51.94 |
| 31 | 52.16 | --- | 51.89 | 61.49 | --- | 51.81 | --- | 52.20 | --- | 52.19 | 51.87 | --- |
| MAX | 52.36 | 52.36 | 51.95 | 62.14 | 61.30 | 53.94 | 51.84 | 52.27 | 52.25 | 52.39 | 52.34 | 52.34 |
| MIN | 51.84 | 51.61 | 51.77 | 52.43 | 54.34 | 51.77 | 51.77 | 51.78 | 51.49 | 51.41 | 51.63 | 51.76 |

## 07367640 OUACHITA RIVER AT COLUMBIA, LA
(National stream-quality accounting network station)

LOCATION.--Lat 32°06'28", long 92°04'27", NE 1/4 SE 1/4 sec.17, T.13 N., R.4 E., Caldwell Parish, Hydrologic Unit 08040207 on downstream side of bridge on U.S. Highway 165 at Columbia, 2.1 mi downstream from Bayou de Chene, and 4.2 mi downstream from Columbia Lock and Dam (station 07367630).

DRAINAGE AREA.--15,700 mi², approximately.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1974 to September 1981.
WATER TEMPERATURES: October 1975 to September 1981.

INSTRUMENTATION.--Water-quality monitor October 1975 to April 1981.

REMARKS.--Water-quality monitor removed April 1981. Samples for daily temperature and specific conductance were collected by an observer May to September 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 618 micromhos Oct. 3, 1977; minimum daily, 69 micromhos Mar. 4, 1975.
WATER TEMPERATURES: Maximum daily, 34.0°C, on several days in July and August 1981; minimum, 2.5°C Jan. 15, 1979.

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | DIS-CHARGE, IN CUBIC FEET PER SECOND | SPE-CIFIC CON-DUCT-ANCE (US/CM) | PH (STAND-ARD UNITS) | TEMPER-ATURE WATER (DEG C) | COLOR (PLAT-INUM-COBALT UNITS) | TUR-BID-ITY (NTU) | OXYGEN, DIS-SOLVED (MG/L) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) | STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 29... | 0830 | 2960 | 340 | 7.00 | 20.0 | 20 | 6.7 | 7.1 | 0.9 | <2 | 590 |
| DEC | | | | | | | | | | | |
| 11... | 1100 | 24900 | 121 | 6.70 | 14.0 | 60 | 14 | 8.6 | 5.9 | K12 | 86 |
| FEB 1988 | | | | | | | | | | | |
| 04... | 1030 | 63600 | 83 | 6.90 | 8.0 | 60 | 7.1 | 9.1 | -- | K25 | 70 |
| APR | | | | | | | | | | | |
| 29... | 0850 | 25000 | 111 | 7.20 | 20.5 | 50 | 8.7 | 8.5 | 2.2 | K10 | 560 |
| JUN | | | | | | | | | | | |
| 16... | 1415 | 1200 | 210 | 7.49 | 29.5 | 20 | 4.7 | 10.5 | 3.0 | <2 | <2 |
| AUG | | | | | | | | | | | |
| 05... | 1330 | 3850 | 428 | 7.80 | 32.0 | 20 | 2.4 | 6.8 | 1.9 | K6 | K34 |

| DATE | HARD-NESS TOTAL (MG/L AS CACO3) | CALCIUM DIS-SOLVED (MG/L AS CA) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) | SODIUM, DIS-SOLVED (MG/L AS NA) | POTAS-SIUM, DIS-SOLVED (MG/L AS K) | ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DIS-SOLVED (MG/L AS SO4) | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) | FLUO-RIDE, DIS-SOLVED (MG/L AS F) | SILICA, DIS-SOLVED (MG/L AS SIO2) | SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 29... | 40 | 11 | 3.0 | 49 | 3.0 | 37 | 38 | 53 | 0.1 | 7.8 | 198 |
| DEC | | | | | | | | | | | |
| 11... | 22 | 6.1 | 1.7 | 11 | 2.3 | 11 | 15 | 19 | 0.1 | 7.4 | 80 |
| FEB 1988 | | | | | | | | | | | |
| 04... | 19 | 5.0 | 1.5 | 7.8 | 1.6 | 13 | 12 | 10 | 0.1 | 6.5 | 57 |
| APR | | | | | | | | | | | |
| 29... | 24 | 6.6 | 1.8 | 11 | 1.5 | 18 | 17 | 13 | 0.1 | 5.2 | 72 |
| JUN | | | | | | | | | | | |
| 16... | 34 | 9.2 | 2.7 | 25 | 2.3 | 29 | 22 | 26 | 0.1 | 5.8 | 124 |
| AUG | | | | | | | | | | | |
| 05... | 50 | 14 | 3.5 | 59 | 0.90 | 43 | 43 | 71 | 0.1 | 6.6 | 244 |

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal colony count).

## 07367640 OUACHITA RIVER AT COLUMBIA, LA--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) | NITROGEN, NITRITE DISSOLVED (MG/L AS N) | NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) | NITROGEN, AMMONIA TOTAL (MG/L AS N) | NITROGEN, AMMONIA DISSOLVED (MG/L AS N) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) | PHOSPHOROUS TOTAL (MG/L AS P) | PHOSPHOROUS DISSOLVED (MG/L AS P) | PHOSPHOROUS ORTHO, DISSOLVED (MG/L AS P) |
|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 29... | 185 | <0.01 | 0.36 | 0.03 | 0.05 | 0.6 | 0.05 | 0.03 | 0.02 |
| DEC 11... | 71 | <0.01 | <0.10 | -- | 0.05 | 0.7 | 0.07 | 0.04 | 0.02 |
| FEB 1988 04... | 50 | <0.01 | <0.10 | 0.03 | 0.03 | 0.6 | 0.05 | 0.02 | 0.01 |
| APR 29... | 67 | <0.01 | <0.10 | 0.04 | 0.05 | 0.6 | 0.07 | 0.03 | 0.02 |
| JUN 16... | 109 | <0.01 | <0.10 | 0.03 | 0.04 | 0.7 | 0.05 | 0.03 | <0.01 |
| AUG 05... | 223 | <0.01 | 0.11 | 0.02 | 0.02 | 1.2 | 0.04 | 0.04 | <0.01 |

| DATE | ALUMINUM, DISSOLVED (UG/L AS AL) | ARSENIC DISSOLVED (UG/L AS AS) | BARIUM, DISSOLVED (UG/L AS BA) | BERYLLIUM, DISSOLVED (UG/L AS BE) | CADMIUM DISSOLVED (UG/L AS CD) | CHROMIUM, DISSOLVED (UG/L AS CR) | COBALT, DISSOLVED (UG/L AS CO) | COPPER, DISSOLVED (UG/L AS CU) | IRON, DISSOLVED (UG/L AS FE) | LEAD, DISSOLVED (UG/L AS PB) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 29... | 30 | <1 | 53 | <0.5 | <1 | <1 | <3 | 3 | 120 | <5 |
| FEB 1988 04... | 110 | 1 | 28 | <0.5 | <1 | <1 | <3 | 3 | 190 | <5 |
| APR 29... | 60 | <1 | 34 | <0.5 | <1 | <1 | <3 | 2 | 400 | <5 |
| AUG 05... | <10 | 2 | 58 | <0.5 | 1 | <1 | <3 | 1 | 17 | <5 |

| DATE | LITHIUM DISSOLVED (UG/L AS LI) | MANGANESE, DISSOLVED (UG/L AS MN) | MERCURY DISSOLVED (UG/L AS HG) | MOLYBDENUM, DISSOLVED (UG/L AS MO) | NICKEL, DISSOLVED (UG/L AS NI) | SELENIUM, DISSOLVED (UG/L AS SE) | SILVER DISSOLVED (UG/L AS AG) | STRONTIUM, DISSOLVED (UG/L AS SR) | VANADIUM, DISSOLVED (UG/L AS V) | ZINC, DISSOLVED (UG/L AS ZN) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 29... | 5 | 9 | -- | <10 | 2 | <1 | <1 | 230 | <6 | <3 |
| FEB 1988 04... | <4 | 29 | <0.1 | <10 | <1 | <1 | <1 | 64 | <6 | 9 |
| APR 29... | <4 | 25 | <0.1 | <10 | <1 | <1 | 1 | 99 | <6 | <3 |
| AUG 05... | <4 | <1 | <0.1 | <10 | 1 | <1 | <1 | 270 | <6 | 7 |

| DATE | GROSS ALPHA, DISSOLVED (UG/L AS U-NAT) | GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT) | GROSS BETA, DISSOLVED (PCI/L AS CS-137) | GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137) | GROSS BETA, DISSOLVED (PCI/L AS SR/YT-90) | GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90) | RADIUM 226, DISSOLVED, RADON METHOD (PCI/L) | URANIUM NATURAL DISSOLVED (UG/L AS U) |
|---|---|---|---|---|---|---|---|---|
| OCT 1987 29... | <0.4 | <0.4 | 3.5 | <0.4 | 2.7 | <0.4 | 0.04 | 0.02 |
| APR 1988 29... | <0.4 | 0.7 | 2.1 | 1.2 | 1.9 | 1.2 | 0.03 | 0.04 |

< Actual value is known to be less than the value shown.

## 07367640 OUACHITA RIVER AT COLUMBIA, LA--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | SEDIMENT, SUSPENDED (MG/L) | SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM |
|---|---|---|---|
| OCT 1987 | | | |
| 29... | 4 | 32 | 100 |
| DEC | | | |
| 11... | 12 | 807 | 94 |
| FEB 1988 | | | |
| 04... | 47 | 8070 | 60 |
| JUN | | | |
| 16... | 2 | 6 | 94 |
| AUG | | | |
| 05... | 4 | 42 | 100 |

## 07367700 BOEUF RIVER NEAR ARKANSAS-LOUISIANA STATE LINE

LOCATION.--Lat 32°58'25", long 91°26'25", in NE 1/4 NE 1/4 sec.21, T.23 N., R.10 E., Morehouse - West Carroll Parish line, Hydrologic Unit 08050001, near left bank on downstream side of bridge on State Highway 835, 2.0 mi downstream from Arkansas - Louisiana State line, and 7.5 mi southwest of Kilbourne.

DRAINAGE AREA.--785 mi² (see REMARKS).

PERIOD OF RECORD.--October 1957 to September 1968. October 1968 to September 1973 (annual maximum gage heights and daily discharges below 200 ft³/s only). October 1973 to September 1979 (daily gage heights and daily discharges below 200 ft³/s only). October 1979 to January 1986 (gage heights only). February 1986 to current year (daily gage heights and daily discharges below 3,800 ft³/s only).

GAGE.--Water-stage recorder. Datum of gage is 72.11 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Dec. 31, 1957, nonrecording gage. Dec. 31, 1957 to Oct. 1, 1961, water-stage recorder on left bank 300 ft upstream. Prior to Oct. 1, 1978, datum 2.00 ft higher. May 4, 1959 to Dec. 4, 1962, auxiliary nonrecording gage and Dec. 5, 1962 to Apr. 6, 1969, auxiliary water-stage recorder 1.7 mi downstream from base gage at datum 74.35 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good between 2,000 and 3,000 ft³/s. No gage height recorded below 1.57 ft. Below 1.57 ft, May 5 to July 11, and Aug. 6-14, 20-23. Diversions above and below station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. In extreme floods, considerable flow bypasses station. Flow reenters and passes stations Bayou Lafourche near Crew Lake (station 07369000) and Boeuf River near Girard (station 07368000).

AVERAGE DISCHARGE.--11 years (water years 1958-68), 952 ft³/s, 689,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,500 ft³/s Feb. 11, 1966; maximum gage height, 26.07 ft, present datum, Dec. 29, 1982; no flow at times in 1966, 1974, 1977, 1978, 1987, and 1988 result of pumping for irrigation.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Feb. 15, 1948, reached a stage of 24.8 ft present datum (from records of Corps of Engineers, Vicksburg district).

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 24.31 ft Dec. 29; minimum not determined.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .0 | .0 | 737 |  | 240 | 66 |  | .0 | .0 | .0 | 4.5 | 30 |
| 2 | .0 | .0 | 444 |  | 834 | 55 |  | .0 | .0 | .0 | .0 | 13 |
| 3 | .0 | .0 | 296 | 3620 | 2510 | 858 |  | .0 | .0 | .0 | .0 | 113 |
| 4 | .0 | .0 | 190 | 1230 | 1420 | 580 |  | .0 | .0 | .0 | .0 | 352 |
| 5 | .0 | .0 | 114 | 885 | 838 | 273 | 1010 | .0 | .0 | .0 | .0 | 518 |
| 6 | .0 | .0 | 80 | 703 | 560 | 149 | 539 | .0 | .0 | .0 | .0 | 420 |
| 7 | .0 | .0 | 63 | 536 | 339 | 80 | 345 | .0 | .0 | .0 | .0 | 210 |
| 8 | .0 | .0 | 41 | 333 | 206 | 570 | 170 | .0 | .0 | .0 | .0 | 51 |
| 9 | .0 | .0 | 39 | 333 | 154 |  | 97 | .0 | .0 | .0 | .0 | 10 |
| 10 | .0 | .0 | 39 | 319 | 117 |  | 54 | .0 | .0 | .0 | .0 | 50 |
| 11 | .0 | 629 | 30 | 244 | 140 | 2410 | 45 | .0 | .0 | .0 | .0 | 239 |
| 12 | .0 | 1100 | 23 | 255 | 119 | 965 | 55 | .0 | .0 | 179 | .0 | 343 |
| 13 | .0 | 409 | 13 | 810 | 89 | 1150 | 51 | .0 | .0 | 569 | .0 | 300 |
| 14 | .0 | 109 | 15 | 889 | 92 | 788 | 37 | .0 | .0 | 553 | .0 | 254 |
| 15 | .0 | 30 | 88 | 776 | 426 | 393 | 6.6 | .0 | .0 | 512 | .0 | 152 |
| 16 | .0 |  | 49 | 919 | 1150 | 200 | .24 | .0 | .0 | 185 | .0 | 80 |
| 17 | .0 |  | 178 | 1440 | 793 | 133 | .0 | .0 | .0 | 14 | .0 | 56 |
| 18 | .0 |  | 163 | 2550 | 884 | 101 | .0 | .0 | .0 | 124 | .0 | 53 |
| 19 | .0 |  | 69 |  | 2660 | 65 | 1160 | .0 | .0 | 51 | .0 | 37 |
| 20 | .0 |  | 76 |  | 2730 | 42 | 1880 | .0 | .0 | .0 | .0 | 8.2 |
| 21 | .0 |  | 254 |  | 1450 | 25 | 1100 | .0 | .0 | 318 | .0 | .0 |
| 22 | .0 |  | 379 |  | 632 | 19 | 346 | .0 | .0 | 489 | .0 | .0 |
| 23 | .0 |  | 229 |  | 361 | 12 | 123 | .0 | .0 | 155 | .0 | .0 |
| 24 | .0 | 723 | 131 | 2140 | 202 | 7.4 | 34 | .0 | .0 | 18 | 452 | .0 |
| 25 | .0 | 496 | 1770 | 858 | 131 | 1330 | .0 | .0 | .0 | .0 | 766 | .0 |
| 26 | .0 | 702 | 3190 | 570 | 90 | 1440 | .0 | .0 | .0 | 14 | 771 | .0 |
| 27 | .0 | 1620 |  | 435 | 75 | 606 | .0 | .0 | .0 | 748 | 574 | .0 |
| 28 | .0 | 3630 |  | 353 | 54 | 272 | .0 | .0 | .0 | 933 | 466 | .0 |
| 29 | .0 | 3180 |  | 269 | 50 | 196 | .0 | .0 | .0 | 494 | 404 | .0 |
| 30 | .0 | 1570 |  | 256 | --- | 1030 | .0 | .0 | .0 | 148 | 269 | .0 |
| 31 | .0 | --- |  | 264 | --- | --- | --- | .0 | --- | 60 | 112 | --- |
| TOTAL | 0.0 | --- | --- | --- | 19346 | --- | --- | 0.0 | 0.0 | 5564.0 | 3818.5 | 3289.2 |
| MEAN | .00 | --- | --- | --- | 667 | --- | --- | .00 | .00 | 179 | 123 | 110 |
| MAX | .00 | --- | --- | --- | 2730 | --- | --- | .00 | .00 | 933 | 771 | 518 |
| MIN | .00 | --- | --- | --- | 50 | --- | --- | .00 | .00 | .00 | .00 | .00 |
| CFSM | .00 | --- | --- | --- | .85 | --- | --- | .00 | .00 | .23 | .16 | .14 |
| IN. | .00 | --- | --- | --- | .92 | --- | --- | .00 | .00 | .26 | .18 | .16 |

## 07367700 BOEUF RIVER NEAR ARKANSAS-LOUISIANA STATE LINE--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.69 | 4.22 | 6.39 | 21.69 | 5.67 | 5.39 | 18.21 | 3.84 | --- | --- | 5.09 | 5.27 |
| 2 | 4.64 | 4.15 | 5.97 | 17.37 | 6.47 | 5.36 | 19.27 | 3.17 | --- | --- | 4.61 | 5.22 |
| 3 | 4.59 | 4.11 | 5.75 | 9.82 | 8.60 | 6.55 | 18.90 | 2.50 | --- | --- | 3.85 | 5.45 |
| 4 | 4.57 | 4.07 | 5.60 | 7.04 | 7.28 | 6.17 | 11.90 | 2.32 | --- | --- | 2.91 | 5.83 |
| 5 | 4.56 | 4.01 | 5.48 | 6.59 | 6.53 | 5.72 | 6.75 | --- | --- | --- | 2.21 | 6.08 |
| 6 | 4.55 | 3.85 | 5.42 | 6.35 | 6.14 | 5.53 | 6.11 | --- | --- | --- | --- | 5.93 |
| 7 | 4.53 | 3.74 | 5.38 | 6.11 | 5.81 | 5.42 | 5.82 | --- | --- | --- | --- | 5.63 |
| 8 | 4.51 | 3.76 | 5.31 | 5.81 | 5.62 | 6.16 | 5.57 | --- | --- | --- | --- | 5.33 |
| 9 | 4.49 | 3.89 | 5.30 | 5.81 | 5.54 | 15.75 | 5.45 | --- | --- | --- | --- | 5.19 |
| 10 | 4.47 | 4.17 | 5.30 | 5.79 | 5.48 | 15.56 | 5.35 | --- | --- | --- | --- | 5.33 |
| 11 | 4.45 | 5.78 | 5.28 | 5.68 | 5.52 | 8.50 | 5.32 | --- | --- | --- | --- | 5.67 |
| 12 | 4.44 | 6.87 | 5.26 | 5.69 | 5.49 | 6.70 | 5.36 | --- | --- | 4.83 | --- | 5.82 |
| 13 | 4.45 | 5.92 | 5.22 | 6.49 | 5.44 | 6.95 | 5.34 | --- | --- | 6.16 | --- | 5.76 |
| 14 | 4.45 | 5.47 | 5.22 | 6.60 | 5.44 | 6.46 | 5.30 | --- | --- | 6.13 | --- | 5.69 |
| 15 | 4.43 | 5.27 | 5.43 | 6.44 | 5.94 | 5.89 | 5.19 | --- | --- | 6.07 | 2.84 | 5.54 |
| 16 | 4.28 | 10.89 | 5.34 | 6.64 | 6.94 | 5.61 | 5.11 | --- | --- | 5.58 | 3.97 | 5.42 |
| 17 | 4.16 | 22.77 | 5.57 | 7.30 | 6.46 | 5.51 | 4.98 | --- | --- | 5.17 | 3.70 | 5.36 |
| 18 | 4.10 | 23.78 | 5.56 | 8.66 | 6.57 | 5.46 | 5.00 | --- | --- | 5.47 | 3.04 | 5.35 |
| 19 | 4.07 | 23.97 | 5.39 | 12.17 | 8.77 | 5.39 | 6.91 | --- | --- | 5.30 | 2.35 | 5.30 |
| 20 | 4.04 | 23.57 | 5.41 | 19.76 | 8.86 | 5.31 | 7.85 | --- | --- | 4.76 | --- | 5.20 |
| 21 | 4.04 | 22.47 | 5.69 | 18.77 | 7.32 | 5.26 | 6.86 | --- | --- | 5.40 | --- | 5.09 |
| 22 | 4.15 | 18.85 | 5.87 | 14.79 | 6.24 | 5.24 | 5.83 | --- | --- | 6.04 | --- | 5.02 |
| 23 | 4.21 | 10.41 | 5.66 | 10.94 | 5.85 | 5.21 | 5.49 | --- | --- | 5.54 | --- | 4.98 |
| 24 | 4.24 | 6.37 | 5.51 | 8.15 | 5.62 | 5.19 | 5.28 | --- | --- | 5.22 | 5.36 | 4.98 |
| 25 | 4.35 | 6.04 | 7.69 | 6.56 | 5.50 | 7.09 | 5.00 | --- | --- | 4.80 | 6.43 | 4.98 |
| 26 | 4.44 | 6.33 | 9.37 | 6.16 | 5.44 | 7.31 | 4.76 | --- | --- | 4.67 | 6.44 | 4.94 |
| 27 | 4.49 | 7.53 | 20.03 | 5.95 | 5.41 | 6.20 | 4.59 | --- | --- | 6.40 | 6.17 | 4.86 |
| 28 | 4.51 | 9.83 | 23.68 | 5.83 | 5.35 | 5.72 | 4.66 | --- | --- | 6.66 | 6.00 | 4.79 |
| 29 | 4.48 | 9.36 | 24.25 | 5.71 | 5.34 | 5.60 | 4.62 | --- | --- | 6.04 | 5.91 | 4.76 |
| 30 | 4.39 | 7.47 | 24.07 | 5.69 | --- | 6.77 | 4.31 | --- | --- | 5.53 | 5.71 | 4.76 |
| 31 | 4.29 | --- | 23.38 | 5.71 | --- | 11.56 | --- | --- | --- | 5.37 | 5.47 | --- |
| MAX | 4.69 | 23.97 | 24.25 | 21.69 | 8.86 | 15.75 | 19.27 | 3.84 | --- | 6.66 | 6.44 | 6.08 |
| MIN | 4.04 | 3.74 | 5.22 | 5.68 | 5.34 | 5.19 | 4.31 | --- | --- | --- | --- | 4.76 |

## 07368000 BOEUF RIVER NEAR GIRARD, LA

LOCATION.--Lat 32°28'52", long 91°47'52", on line between sec.1, T.17 N., R.6 E., and sec.6., T.17 N., R.7 E., Richland Parish, Hydrologic Unit 08050001, on downstream side of bridge on U.S. Highway 80, and 0.5 mi east of Girard.

DRAINAGE AREA.--1,226 mi² (see REMARKS).

PERIOD OF RECORD.--October 1938 to current year. Daily gage heights as follows: 1886-94 in reports of National Weather Service; September 1925 to December 1931 in files of Corps of Engineers, Vicksburg district; since January 1932 in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder. Datum of gage is 49.42 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Nov. 3, 1955, nonrecording gage at sites within 200 ft upstream. Prior to Oct. 1, 1966, at datum 2.20 ft higher. Water-stage recorder for Boeuf River southwest of Rayville (station 07368040) used as auxiliary gage for this station. Nov. 20, 1962, to Sept. 30, 1974, at datum 0.60 ft lower. See WSP 2120 for changes prior to Nov. 20, 1962.

REMARKS.--Estimated daily discharges. Records good, except those for indefinite stage-discharge relationship, Oct. 8-24, Oct. 27 to Nov. 6, Nov. 10, 13-14, June 8 to July 26, and Aug. 13-15, 17-20, which are fair. Large diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. Boeuf River and Bayou Lafourche basins are connected by canal upstream. In extreme floods, considerable flow from Bayou Bartholomew basin passes this station. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--50 years, 332 ft³/s, 240,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,070 ft³/s May 2, 1958; maximum gage height, 21.51 ft May 6, 1958, present datum; minimum discharge, 1.4 ft³/s Aug. 3, 4, 1986; minimum gage height, 2.61 ft June 25, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 7, 1927, reached a stage of 31.7 ft, present site and datum, (affected by overflow from Mississippi River).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,220 ft³/s Dec. 29; maximum gage height, 14.05 ft Nov. 19; minimum daily discharge, 1.6 ft³/s Aug. 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.5 | e8.3 | 190 | 1150 | 30 | 20 | 461 | 14 | 4.9 | e2.9 | 4.3 | 11 |
| 2 | 8.9 | e8.2 | 130 | 1110 | 32 | 23 | 707 | 13 | 4.7 | e2.8 | 6.7 | 12 |
| 3 | 8.7 | e8.2 | 89 | 1000 | 34 | e150 | 885 | 13 | 5.9 | e2.7 | 7.7 | 9.3 |
| 4 | 8.9 | e8.0 | 65 | 757 | 87 | e180 | 906 | 12 | 5.9 | e4.0 | 8.6 | 8.8 |
| 5 | 9.1 | e8.9 | 50 | 470 | 124 | e150 | 757 | 11 | 5.1 | e9.0 | 8.4 | 8.0 |
| 6 | 9.1 | e16 | 40 | 275 | 97 | e100 | 481 | 10 | 5.1 | e11 | 8.0 | 7.8 |
| 7 | 8.7 | 32 | 33 | 174 | 68 | e70 | 269 | 9.6 | 4.8 | e14 | 7.1 | 8.2 |
| 8 | e8.6 | 27 | 29 | 114 | 49 | e65 | 155 | 9.2 | e4.5 | e11 | 5.6 | 8.3 |
| 9 | e8.4 | 19 | 27 | 83 | 36 | e150 | 95 | 8.9 | e4.0 | e12 | 4.2 | 8.5 |
| 10 | e8.2 | e11 | 27 | 67 | 28 | e300 | 71 | 8.4 | e3.5 | e10 | 3.3 | 10 |
| 11 | e8.2 | 23 | 26 | 55 | 24 | e450 | 56 | 8.2 | e3.0 | e9.0 | 2.8 | 12 |
| 12 | e8.5 | 20 | 23 | 50 | 22 | e400 | 50 | 8.3 | e2.8 | e8.0 | 2.1 | 10 |
| 13 | e8.3 | e13 | 22 | 47 | 19 | e290 | 45 | 8.4 | e2.6 | e7.0 | e1.9 | 11 |
| 14 | e8.2 | e12 | 24 | 47 | 19 | e170 | 41 | 8.4 | e2.4 | e6.0 | e1.6 | 9.7 |
| 15 | e8.0 | 22 | 30 | 50 | 19 | e100 | 36 | 8.2 | e2.2 | e5.0 | e1.7 | 7.3 |
| 16 | e8.0 | 625 | 25 | 47 | 18 | e74 | 31 | 7.9 | e2.0 | e4.5 | 2.0 | 5.9 |
| 17 | e8.0 | 1010 | 23 | 42 | 17 | 55 | 27 | 7.7 | e1.9 | e4.0 | e1.9 | 5.4 |
| 18 | e8.0 | 1160 | 22 | 38 | 43 | 55 | 26 | 6.6 | e1.8 | e3.5 | e1.8 | 5.5 |
| 19 | e7.9 | 1200 | 28 | 66 | 83 | 48 | 24 | 5.5 | e1.8 | e3.0 | e1.8 | 5.5 |
| 20 | e7.9 | 1180 | 54 | 154 | 111 | 43 | 23 | 5.0 | e4.0 | e3.0 | e2.0 | 5.5 |
| 21 | e8.6 | 1130 | 61 | 403 | 119 | 38 | 22 | 4.8 | e3.0 | e2.5 | 2.8 | 5.7 |
| 22 | e8.0 | 1070 | 71 | 564 | 102 | 32 | 24 | 4.8 | e5.0 | e2.0 | 3.5 | 6.0 |
| 23 | e8.0 | 978 | 61 | 563 | 81 | 28 | 28 | 4.7 | e6.0 | e1.9 | 3.5 | 6.2 |
| 24 | e7.8 | 781 | 51 | 448 | 58 | 25 | 25 | 5.5 | e5.0 | e2.0 | 4.9 | 6.0 |
| 25 | 15 | 507 | 43 | 308 | 44 | e150 | 22 | 6.4 | e6.0 | e2.3 | 5.9 | 5.8 |
| 26 | 18 | 305 | 58 | 189 | 34 | e160 | 19 | 6.0 | e5.0 | e2.8 | 6.6 | 5.8 |
| 27 | e13 | 192 | 476 | 111 | 28 | e130 | 17 | 5.1 | e4.5 | 3.1 | 7.6 | 5.7 |
| 28 | e10 | 162 | 971 | 75 | 24 | e100 | 16 | 6.0 | e4.0 | 3.4 | 7.9 | 5.7 |
| 29 | e9.6 | 209 | 1170 | 54 | 22 | 77 | 15 | 5.5 | e3.5 | 2.6 | 8.5 | 5.8 |
| 30 | e9.2 | 236 | 1220 | 42 | --- | 123 | 14 | 4.8 | e3.0 | 2.2 | 10 | 7.0 |
| 31 | e8.7 | --- | 1190 | 34 | --- | 233 | --- | 4.6 | --- | 2.7 | 11 | --- |
| TOTAL | 284.0 | 10981.6 | 6329 | 8587 | 1472 | 3989 | 5348 | 241.5 | 117.9 | 159.9 | 155.7 | 229.4 |
| MEAN | 9.16 | 366 | 204 | 277 | 50.8 | 129 | 178 | 7.79 | 3.93 | 5.16 | 5.02 | 7.65 |
| MAX | 18 | 1200 | 1220 | 1150 | 124 | 450 | 906 | 14 | 6.0 | 14 | 11 | 12 |
| MIN | 7.8 | 8.0 | 22 | 34 | 17 | 20 | 14 | 4.6 | 1.8 | 1.9 | 1.6 | 5.4 |
| AC-FT | 563 | 21780 | 12550 | 17030 | 2920 | 7910 | 10610 | 479 | 234 | 317 | 309 | 455 |

| | | | | | |
|---|---|---|---|---|---|
| CAL YR 1987 | TOTAL 51982.2 | MEAN 142 | MAX 1550 | MIN 3.6 | AC-FT 103100 |
| WTR YR 1988 | TOTAL 37895.0 | MEAN 104 | MAX 1220 | MIN 1.6 | AC-FT 75160 |

e Estimated.

## 07368000 BOEUF RIVER NEAR GIRARD, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.36 | 3.60 | 6.38 | 13.51 | 4.18 | 3.96 | 8.70 | 3.77 | 3.52 | 4.13 | 4.04 | 4.17 |
| 2 | 3.37 | 3.60 | 5.77 | 13.26 | 4.23 | 4.00 | 10.76 | 3.75 | 3.52 | 4.20 | 4.11 | 4.18 |
| 3 | 3.36 | 3.62 | 5.25 | 12.68 | 4.27 | 5.85 | 11.81 | 3.75 | 3.58 | 4.36 | 4.14 | 4.09 |
| 4 | 3.37 | 3.61 | 4.86 | 11.33 | 5.08 | 6.14 | 11.96 | 3.72 | 3.57 | 4.48 | 4.17 | 4.07 |
| 5 | 3.38 | 3.69 | 4.57 | 9.33 | 5.57 | 5.93 | 11.17 | 3.68 | 3.54 | 4.55 | 4.15 | 4.04 |
| 6 | 3.38 | 3.84 | 4.38 | 7.63 | 5.27 | 5.38 | 9.32 | 3.64 | 3.54 | 4.59 | 4.13 | 4.04 |
| 7 | 3.36 | 4.04 | 4.25 | 6.54 | 4.87 | 4.94 | 7.55 | 3.62 | 3.53 | 4.62 | 4.09 | 4.05 |
| 8 | 3.36 | 3.92 | 4.15 | 5.79 | 4.55 | 4.91 | 6.34 | 3.60 | 3.57 | 4.63 | 4.04 | 4.04 |
| 9 | 3.39 | 3.70 | 4.12 | 5.27 | 4.31 | 5.03 | 5.54 | 3.59 | 3.55 | 4.66 | 3.98 | 4.05 |
| 10 | 3.41 | 3.70 | 4.11 | 4.92 | 4.14 | 7.16 | 5.05 | 3.57 | 3.69 | 4.70 | 3.93 | 4.10 |
| 11 | 3.45 | 3.81 | 4.09 | 4.70 | 4.05 | 8.42 | 4.76 | 3.56 | 3.80 | 4.65 | 3.89 | 4.17 |
| 12 | 3.46 | 3.72 | 4.03 | 4.57 | 3.99 | 8.14 | 4.59 | 3.56 | 3.98 | 4.31 | 3.84 | 4.11 |
| 13 | 3.43 | 3.68 | 4.00 | 4.51 | 3.94 | 7.02 | 4.48 | 3.57 | 4.13 | 4.08 | 3.78 | 4.12 |
| 14 | 3.45 | 3.68 | 4.05 | 4.52 | 3.92 | 6.09 | 4.39 | 3.57 | 4.21 | 3.98 | 3.73 | 4.09 |
| 15 | 3.48 | 3.76 | 4.18 | 4.57 | 3.92 | 5.43 | 4.30 | 3.56 | 4.25 | 3.92 | 3.77 | 4.00 |
| 16 | 3.48 | 10.59 | 4.06 | 4.51 | 3.89 | 4.97 | 4.20 | 3.54 | 4.27 | 3.86 | 3.81 | 3.95 |
| 17 | 3.48 | 13.35 | 4.01 | 4.42 | 3.88 | 4.65 | 4.11 | 3.54 | 4.26 | 3.86 | 3.77 | 3.93 |
| 18 | 3.49 | 13.86 | 4.00 | 4.35 | 4.53 | 4.65 | 4.10 | 3.49 | 4.25 | 3.86 | 3.75 | 3.92 |
| 19 | 3.52 | 14.02 | 4.12 | 4.84 | 5.46 | 4.54 | 4.05 | 3.45 | 4.29 | 3.84 | 3.74 | 3.92 |
| 20 | 3.51 | 13.86 | 4.63 | 5.87 | 5.70 | 4.43 | 4.03 | 3.43 | 4.40 | 3.85 | 3.78 | 3.92 |
| 21 | 3.52 | 13.53 | 4.75 | 7.84 | 5.71 | 4.34 | 4.00 | 3.42 | 4.40 | 3.83 | 3.85 | 3.93 |
| 22 | 3.51 | 13.12 | 4.90 | 9.11 | 5.47 | 4.23 | 4.05 | 3.43 | 4.37 | 3.82 | 3.89 | 3.94 |
| 23 | 3.50 | 12.57 | 4.77 | 9.27 | 5.12 | 4.14 | 4.13 | 3.44 | 4.41 | 3.83 | 3.88 | 3.94 |
| 24 | 3.51 | 11.44 | 4.59 | 8.59 | 4.75 | 4.08 | 4.08 | 3.48 | 4.44 | 3.89 | 3.94 | 3.93 |
| 25 | 3.58 | 9.55 | 4.43 | 7.54 | 4.47 | 5.85 | 3.99 | 3.53 | 4.37 | 3.93 | 3.98 | 3.92 |
| 26 | 3.67 | 7.85 | 4.70 | 6.48 | 4.26 | 5.95 | 3.93 | 3.53 | 4.32 | 3.99 | 4.01 | 3.92 |
| 27 | 3.66 | 6.68 | 9.00 | 5.62 | 4.14 | 5.72 | 3.87 | 3.50 | 4.36 | 4.02 | 4.04 | 3.92 |
| 28 | 3.62 | 6.37 | 12.30 | 5.05 | 4.05 | 5.36 | 3.83 | 3.54 | 4.40 | 4.03 | 4.05 | 3.91 |
| 29 | 3.61 | 6.59 | 13.45 | 4.68 | 3.99 | 5.13 | 3.81 | 3.53 | 4.26 | 3.98 | 4.07 | 3.91 |
| 30 | 3.63 | 6.75 | 13.78 | 4.43 | --- | 5.77 | 3.79 | 3.50 | 4.16 | 3.95 | 4.13 | 3.96 |
| 31 | 3.62 | --- | 13.69 | 4.27 | --- | 7.12 | --- | 3.50 | --- | 3.97 | 4.16 | --- |
| MAX | 3.67 | 14.02 | 13.78 | 13.51 | 5.71 | 8.42 | 11.96 | 3.77 | 4.44 | 4.70 | 4.17 | 4.18 |
| MIN | 3.36 | 3.60 | 4.00 | 4.27 | 3.88 | 3.96 | 3.79 | 3.42 | 3.52 | 3.82 | 3.73 | 3.91 |

## 07369000 BAYOU LAFOURCHE NEAR CREW LAKE, LA

LOCATION.--Lat 32°29'55", long 91°55'05", in NW 1/4 SW 1/4 sec.36, T.18 N., R.5 E., Ouachita - Richland Parish line, Hydrologic Unit 08050001, near center of span on downstream side of bridge on U.S. Highway 80, 1.1 mi upstream from Illinois Central Gulf Railroad bridge, and 2.5 mi west of town of Crew Lake.

DRAINAGE AREA.--361 mi² (see REMARKS).

PERIOD OF RECORD.--October 1938 to current year. Prior to December 1938 monthly discharge only, published in WSP 1311.

GAGE.--Water-stage recorder. Datum of gage is 37.08 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Aug. 10, 1944, nonrecording gage, Aug. 10, 1944, to June 5, 1952, water-stage recorder, and June 6 to September 30, 1952, nonrecording gage, all at same site at datum 19.00 ft higher. Water-stage recorder for Bayou Lafourche near Alto (station 07369050) used as auxiliary gage for this station since Oct. 1, 1957.

REMARKS.--Estimated daily discharges. Records fair, except for periods of indefinate stage-discharge relationship, Dec. 2-7, Jan. 7-17, Jan. 26 to Feb. 2, Feb. 6-16, 18, Feb. 23 to Mar. 3, Mar. 5-8, 16-25, and Apr. 7-19, which are poor. Small diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. Boeuf River and Bayou Lafourche basins are connected by canal upstream. In extreme floods, considerable flow from the Bayou Bartholomew basin passes this station. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--50 years, 1,739 ft³/s, 1,260,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26,800 ft³/s May 2, 1958; maximum gage height, 29.32 ft Jan. 2, 1983. Maximum daily reverse flow 190 ft³/s June 4, 1984; no flow at times in August, September, and October 1952, June 1984, result of pumping for irrigation.

EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 17,000 ft³/s was measured Dec. 24, 1931 (from reports of Corps of Engineers, Vicksburg district).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 12,000 ft³/s Dec. 29; maximum gage height, 26.50 ft Jan. 1; minimum discharge, 11 ft³/s, July 4, gage height, 0.71 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 58 | e46 | 1900 | 11300 | e650 | e350 | 8390 | 83 | 37 | 13 | 232 | 299 |
| 2 | 57 | e46 | e1500 | 11000 | e900 | e300 | 9950 | 77 | 36 | 13 | 160 | 224 |
| 3 | 59 | e45 | e1200 | 9980 | 5080 | e800 | 10600 | 67 | 35 | 12 | 93 | 197 |
| 4 | 52 | e45 | e1000 | 8090 | 4500 | 1700 | 10000 | 54 | 67 | 12 | 68 | 344 |
| 5 | 51 | e44 | e800 | 4580 | 2360 | e1300 | 6560 | 50 | 101 | 16 | 55 | 539 |
| 6 | e50 | e44 | e650 | 2030 | e1800 | e1000 | 2510 | 42 | 81 | 25 | 53 | 601 |
| 7 | e49 | e43 | e550 | e1700 | e1600 | e900 | e1800 | 41 | 57 | 68 | 47 | 491 |
| 8 | e49 | e43 | 451 | e1500 | e1400 | e800 | e1300 | 46 | 46 | 87 | 38 | 361 |
| 9 | e48 | e42 | 345 | e1300 | e1200 | 6470 | e950 | 48 | 43 | 56 | 33 | 233 |
| 10 | e48 | e44 | 278 | e1100 | e1000 | 9070 | e750 | 55 | 39 | 37 | 35 | 202 |
| 11 | 55 | e42 | 248 | e1100 | e950 | 7330 | e520 | 48 | 29 | 51 | 35 | 290 |
| 12 | e52 | 660 | 240 | e1300 | e900 | 3970 | e400 | 42 | 26 | 49 | 35 | 462 |
| 13 | e50 | 895 | 211 | e1500 | e850 | 2860 | e360 | 40 | 21 | 113 | 49 | 518 |
| 14 | e49 | 369 | 186 | e1600 | e820 | 2110 | e320 | 43 | 19 | 494 | 174 | 511 |
| 15 | e49 | 166 | 235 | e1600 | e800 | 1210 | e280 | 54 | 17 | 515 | 95 | 414 |
| 16 | e48 | 9000 | 305 | e1500 | e980 | e800 | e240 | 54 | 14 | 363 | 55 | 300 |
| 17 | e48 | 11100 | 230 | e1400 | 852 | e640 | e210 | 58 | 12 | 176 | 40 | 233 |
| 18 | e47 | 11500 | 309 | 1640 | e1600 | e540 | e200 | 40 | 15 | 380 | 38 | 209 |
| 19 | e47 | 11400 | 323 | 4430 | 3350 | e500 | e900 | 29 | 17 | 621 | 39 | 184 |
| 20 | e46 | 11100 | 636 | 9050 | 4220 | e450 | 1830 | 28 | 16 | 613 | 36 | 171 |
| 21 | e46 | 11000 | 630 | 9820 | 3320 | e400 | 2410 | 32 | 13 | 624 | 41 | 149 |
| 22 | e45 | 10600 | 629 | 9210 | 1630 | e350 | 1570 | 32 | 14 | 842 | 111 | 112 |
| 23 | e45 | 9950 | 597 | 7120 | e1300 | e300 | 833 | 32 | 16 | 706 | 170 | 92 |
| 24 | e44 | 7800 | 441 | 4870 | e1000 | e280 | 476 | 32 | 17 | 375 | 286 | 81 |
| 25 | e44 | 3620 | 591 | 2180 | e850 | e1500 | 324 | 54 | 16 | 152 | 1270 | 94 |
| 26 | e44 | 1700 | 2970 | e1700 | e700 | 3730 | 224 | 76 | 14 | 259 | 1390 | 87 |
| 27 | 56 | 1590 | 9770 | e1200 | e550 | 2420 | 134 | 69 | 14 | 1170 | 1150 | 76 |
| 28 | 50 | 4660 | 11600 | e900 | e500 | 1140 | 109 | 53 | 14 | 1920 | 891 | 69 |
| 29 | e49 | 5330 | 11800 | e800 | e450 | 603 | 98 | 52 | 16 | 1540 | 666 | 62 |
| 30 | e48 | 3820 | 11700 | e750 | --- | 1790 | 105 | 47 | 15 | 916 | 571 | 63 |
| 31 | e47 | --- | 11500 | e700 | --- | 4230 | --- | 38 | --- | 509 | 440 | --- |
| TOTAL | 1530 | 116744 | 73825 | 116950 | 46112 | 59843 | 64353 | 1516 | 877 | 12747 | 8396 | 7668 |
| MEAN | 49.4 | 3891 | 2381 | 3773 | 1590 | 1930 | 2145 | 48.9 | 29.2 | 411 | 271 | 256 |
| MAX | 59 | 11500 | 11800 | 11300 | 5080 | 9070 | 10600 | 83 | 101 | 1920 | 1390 | 601 |
| MIN | 44 | 42 | 186 | 700 | 450 | 280 | 98 | 28 | 12 | 12 | 33 | 62 |
| AC-FT | 3030 | 231600 | 146400 | 232000 | 91460 | 118700 | 127600 | 3010 | 1740 | 25280 | 16650 | 15210 |

| | | | | | |
|---|---|---|---|---|---|
| CAL YR 1987 | TOTAL 781346 | MEAN 2141 | MAX 20200 | MIN 42 | AC-FT 1550000 |
| WTR YR 1988 | TOTAL 510561 | MEAN 1395 | MAX 11800 | MIN 12 | AC-FT 1013000 |

e Estimated.

## 07369000 BAYOU LAFOURCHE NEAR CREW LAKE, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.15 | --- | 12.27 | 26.47 | 12.75 | 7.88 | 20.84 | 1.50 | 1.09 | .76 | 2.17 | 2.44 |
| 2 | 1.13 | --- | 10.26 | 26.37 | 13.21 | 7.50 | 23.57 | 1.46 | 1.08 | .76 | 1.82 | 2.13 |
| 3 | 1.16 | --- | 8.68 | 25.90 | 16.51 | 9.85 | 24.53 | 1.38 | 1.06 | .74 | 1.43 | 2.01 |
| 4 | 1.09 | --- | 7.13 | 24.68 | 16.50 | 10.72 | 24.30 | 1.26 | 1.35 | .74 | 1.23 | 2.57 |
| 5 | --- | --- | 5.76 | 21.81 | 14.34 | 9.43 | 21.37 | 1.22 | 1.62 | .80 | 1.11 | 3.16 |
| 6 | --- | --- | 4.66 | 17.58 | 13.08 | 8.53 | 15.17 | 1.14 | 1.48 | .95 | 1.10 | 3.33 |
| 7 | --- | --- | 3.61 | 15.05 | 12.59 | 7.75 | 12.43 | 1.13 | 1.29 | 1.37 | 1.04 | 3.02 |
| 8 | --- | --- | 2.91 | 13.99 | 12.17 | 7.67 | 11.20 | 1.18 | 1.18 | 1.53 | .95 | 2.64 |
| 9 | --- | --- | 2.59 | 13.60 | 11.79 | 17.27 | 10.14 | 1.20 | 1.15 | 1.28 | .90 | 2.17 |
| 10 | --- | --- | 2.36 | 13.54 | 11.51 | 21.42 | 9.18 | 1.27 | 1.11 | 1.09 | .91 | 2.02 |
| 11 | 1.12 | --- | 2.24 | 13.61 | 11.19 | 19.79 | 8.37 | 1.20 | .99 | 1.23 | .92 | 2.40 |
| 12 | --- | 3.22 | 2.20 | 13.76 | 10.96 | 14.54 | 7.60 | 1.14 | .96 | 1.21 | .91 | 2.94 |
| 13 | --- | 4.05 | 2.08 | 14.07 | 10.67 | 12.22 | 7.03 | 1.12 | .89 | 1.56 | 1.03 | 3.10 |
| 14 | --- | 2.64 | 1.95 | 14.33 | 10.49 | 10.81 | 6.50 | 1.15 | .85 | 3.10 | 1.89 | 3.08 |
| 15 | --- | 1.85 | 2.16 | 14.32 | 10.24 | 9.36 | 5.98 | 1.26 | .83 | 3.16 | 1.44 | 2.80 |
| 16 | --- | 15.84 | 2.46 | 14.33 | 10.33 | 8.12 | 5.42 | 1.26 | .76 | 2.78 | 1.12 | 2.44 |
| 17 | --- | 25.23 | 2.16 | 14.39 | 10.44 | 7.31 | 5.07 | 1.29 | .74 | 2.02 | .97 | 2.17 |
| 18 | --- | 25.93 | 2.47 | 14.72 | 10.93 | 7.21 | 4.64 | 1.12 | .79 | 2.72 | .95 | 2.06 |
| 19 | --- | 26.18 | 2.52 | 17.64 | 14.19 | 7.07 | 4.36 | 1.00 | .82 | 3.44 | .96 | 1.94 |
| 20 | --- | 26.29 | 3.42 | 22.77 | 15.06 | 6.43 | 6.66 | .98 | .80 | 3.42 | .93 | 1.88 |
| 21 | --- | 26.30 | 3.41 | 23.75 | 14.04 | 5.89 | 7.77 | 1.03 | .75 | 3.44 | .98 | 1.77 |
| 22 | --- | 26.19 | 3.40 | 23.61 | 12.40 | 5.40 | 5.96 | 1.03 | .77 | 3.95 | 1.54 | 1.56 |
| 23 | --- | 25.82 | 3.32 | 22.08 | 11.22 | 4.88 | 3.93 | 1.04 | .80 | 3.63 | 1.87 | 1.43 |
| 24 | --- | 24.55 | 2.88 | 19.29 | 10.53 | 4.37 | 3.05 | 1.03 | .81 | 2.76 | 2.33 | 1.34 |
| 25 | --- | 21.39 | 3.31 | 16.23 | 10.08 | 7.69 | 2.61 | 1.26 | .80 | 1.91 | 4.92 | 1.44 |
| 26 | --- | 17.55 | 8.33 | 14.66 | 9.65 | 12.71 | 2.24 | 1.44 | .77 | 2.30 | 5.18 | 1.39 |
| 27 | 1.12 | 15.04 | 21.96 | 14.05 | 9.19 | 10.64 | 1.82 | 1.39 | .77 | 4.71 | 4.65 | 1.30 |
| 28 | --- | 16.90 | 25.49 | 13.70 | 8.74 | 8.08 | 1.68 | 1.25 | .77 | 6.30 | 4.04 | 1.24 |
| 29 | --- | 17.48 | 26.00 | 13.42 | 8.27 | 6.64 | 1.61 | 1.24 | .80 | 5.50 | 3.50 | 1.18 |
| 30 | --- | 15.22 | 26.27 | 13.17 | --- | 8.64 | 1.65 | 1.19 | .79 | 4.10 | 3.25 | 1.19 |
| 31 | --- | --- | 26.39 | 12.95 | --- | 14.62 | --- | 1.10 | --- | 3.07 | 2.87 | --- |
| MAX | --- | 26.30 | 26.39 | 26.47 | 16.51 | 21.42 | 24.53 | 1.50 | 1.62 | 6.30 | 5.18 | 3.33 |
| MIN | --- | --- | 1.95 | 12.95 | 8.27 | 4.37 | 1.61 | .98 | .74 | .74 | .90 | 1.18 |

## 07369500 TENSAS RIVER AT TENDAL, LA
(National stream-quality accounting network station)

LOCATION.--Lat 32°25'55", long 91°22'00", in NW 1/4 sec.29, T.17 N., R.11 E., Madison Parish, Hydrologic Unit 08050003, near right bank on upstream side of bridge on U.S. Highway 80 at Tendal, 200 ft upstream from Illinois Central Gulf Railroad bridge, and 2.8 mi east of Waverly.

DRAINAGE AREA.--309 mi² (see REMARKS).

### WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1935 to current year. Monthly discharge only for some periods, published in WSP 1311.

GAGE.--Water-stage recorder. Datum of gage is 50.07 ft above National Geodetic Vertical Datum of 1929. Prior to July 11, 1944, nonrecording gage at site 1,000 ft upstream at same datum. July 11, 1944, to Sept. 14, 1954, non-recording gage at same site and datum. Water-stage recorder for Tensas River southeast of Tendal (07369515) used as auxiliary gage for this station since Oct. 1, 1957. See WSP 1711 and 1731 for history of changes prior to Oct. 1, 1957.

REMARKS.--Estimated daily discharges. No gage-height record Jan. 8-10 at the base gage; no gage-height record Sept. 28-30 at the auxiliary gage. Records fair. Small diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--52 years (water years 1936-88), 343 ft³/s, 248,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,610 ft³/s Nov. 19, 1948; maximum gage height, 26.34 ft Dec. 4, 1982; minimum discharge, 1.7 ft³/s Oct. 5, 1981, but may have been less during period of indefinite stage-discharge relation in October 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 15, 1927 (affected by overflow from Mississippi River) reached a stage of 34.02 ft and is the highest since then.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,470 ft³/s Nov. 17, gage height, 23.61 ft; minimum discharge, 7.9 ft³/s Oct. 13, 14, gage height, 5.06 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11 | 13 | 834 | 2370 | 37 | 47 | 1580 | 34 | 22 | 21 | 38 | 31 |
| 2 | 12 | 13 | 729 | 2130 | 192 | 46 | 1860 | 32 | 26 | 19 | 40 | 29 |
| 3 | 12 | 12 | 619 | 1820 | 809 | 382 | 2120 | 30 | 30 | 18 | 39 | 27 |
| 4 | 11 | 12 | 522 | 1480 | 752 | 941 | 1790 | 30 | 32 | 19 | 35 | 29 |
| 5 | 10 | 12 | 464 | 1200 | 563 | 721 | 1380 | 28 | 32 | 38 | 31 | 31 |
| 6 | 10 | 11 | 404 | 982 | 457 | 561 | 1070 | 26 | 30 | 71 | 28 | 28 |
| 7 | 9.5 | 10 | 363 | 803 | 380 | 476 | 850 | 23 | 25 | 76 | 25 | 24 |
| 8 | 9.3 | 11 | 299 | e700 | 292 | 503 | 705 | 22 | 21 | 65 | 23 | 24 |
| 9 | 9.1 | 14 | 240 | e600 | 219 | 1310 | 588 | 24 | 19 | 49 | 22 | 24 |
| 10 | 9.1 | 17 | 190 | e550 | 160 | 1310 | 490 | 27 | 20 | 39 | 21 | 22 |
| 11 | 9.3 | 16 | 145 | 479 | 118 | 935 | 410 | 33 | 18 | 35 | 21 | 20 |
| 12 | 8.9 | 16 | 108 | 481 | 87 | 698 | 363 | 31 | 20 | 32 | 21 | 22 |
| 13 | 8.3 | 15 | 81 | 663 | 70 | 554 | 313 | 31 | 23 | 30 | 21 | 25 |
| 14 | 8.4 | 13 | 64 | 612 | 61 | 451 | 249 | 52 | 23 | 29 | 22 | 33 |
| 15 | 9.5 | 12 | 63 | 451 | 123 | 389 | 198 | 46 | 24 | 28 | 21 | 35 |
| 16 | 9.9 | 1840 | 72 | 363 | 136 | 343 | 154 | 44 | 24 | 28 | 20 | 28 |
| 17 | 9.9 | 3300 | 68 | 307 | 118 | 277 | 119 | 45 | 24 | 30 | 19 | 22 |
| 18 | 9.5 | 3040 | 61 | 234 | 340 | 242 | 112 | 42 | 23 | 60 | 19 | 19 |
| 19 | 9.4 | 2890 | 56 | 192 | 1070 | 231 | 102 | 35 | 25 | 60 | 21 | 17 |
| 20 | 10 | 2730 | 109 | 276 | 897 | 196 | 95 | 30 | 29 | 55 | 25 | 16 |
| 21 | 10 | 2590 | 182 | 290 | 619 | 154 | 87 | 30 | 28 | 72 | 28 | 14 |
| 22 | 9.4 | 2350 | 200 | 237 | 435 | 116 | 75 | 38 | 28 | 95 | 43 | 12 |
| 23 | 9.4 | 2050 | 175 | 187 | 339 | 86 | 62 | 40 | 30 | 95 | 102 | 11 |
| 24 | 9.4 | 1740 | 135 | 149 | 300 | 64 | 52 | 37 | 28 | 74 | 118 | 11 |
| 25 | 10 | 1400 | 106 | 117 | 236 | 302 | 47 | 39 | 26 | 59 | 182 | 13 |
| 26 | 12 | 1130 | 103 | 88 | 152 | 853 | 44 | 37 | 26 | 51 | 247 | 14 |
| 27 | 15 | 955 | 2300 | 65 | 99 | 615 | 41 | 29 | 30 | 51 | 195 | 13 |
| 28 | 15 | 1460 | 3220 | 52 | 70 | 434 | 37 | 24 | 31 | 51 | 130 | 11 |
| 29 | 13 | 1480 | 3060 | 44 | 54 | 351 | 35 | 20 | 28 | 49 | 81 | 9.8 |
| 30 | 13 | 1140 | 2840 | 41 | --- | 387 | 34 | 21 | 24 | 43 | 50 | 9.9 |
| 31 | 12 | --- | 2570 | 39 | --- | 1310 | --- | 23 | --- | 38 | 36 | --- |
| TOTAL | 324.3 | 30292 | 20382 | 18002 | 9185 | 15285 | 15062 | 1003 | 769 | 1480 | 1724 | 624.7 |
| MEAN | 10.5 | 1010 | 657 | 581 | 317 | 493 | 502 | 32.4 | 25.6 | 47.7 | 55.6 | 20.8 |
| MAX | 15 | 3300 | 3220 | 2370 | 1070 | 1310 | 2120 | 52 | 32 | 95 | 247 | 35 |
| MIN | 8.3 | 10 | 56 | 39 | 37 | 46 | 34 | 20 | 18 | 18 | 19 | 9.8 |
| AC-FT | 643 | 60080 | 40430 | 35710 | 18220 | 30320 | 29880 | 1990 | 1530 | 2940 | 3420 | 1240 |

| | | | | | |
|---|---|---|---|---|---|
| CAL YR 1987 | TOTAL 158672.3 | MEAN 435 | MAX 3300 | MIN 8.3 | AC-FT 314700 |
| WTR YR 1988 | TOTAL 114133.0 | MEAN 312 | MAX 3300 | MIN 8.3 | AC-FT 226400 |

e Estimated.

## 07369500 TENSAS RIVER AT TENDAL, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.17 | 5.18 | 15.59 | 20.57 | 5.69 | 5.83 | 16.22 | 5.63 | 5.46 | 5.44 | 5.68 | 5.58 |
| 2 | 5.17 | 5.18 | 14.42 | 19.91 | 7.19 | 5.83 | 17.56 | 5.61 | 5.52 | 5.41 | 5.70 | 5.54 |
| 3 | 5.17 | 5.17 | 13.24 | 18.88 | 11.60 | 8.61 | 18.82 | 5.58 | 5.59 | 5.40 | 5.69 | 5.52 |
| 4 | 5.13 | 5.17 | 12.05 | 17.70 | 11.86 | 12.43 | 18.27 | 5.58 | 5.61 | 5.41 | 5.63 | 5.55 |
| 5 | 5.12 | 5.17 | 10.88 | 16.49 | 11.00 | 11.88 | 16.98 | 5.55 | 5.62 | 5.71 | 5.58 | 5.57 |
| 6 | 5.12 | 5.14 | 9.82 | 15.28 | 9.97 | 10.88 | 15.72 | 5.51 | 5.58 | 6.17 | 5.53 | 5.53 |
| 7 | 5.10 | 5.13 | 8.99 | 14.22 | 9.05 | 10.05 | 14.50 | 5.47 | 5.51 | 6.24 | 5.47 | 5.48 |
| 8 | 5.10 | 5.14 | 8.32 | --- | 8.30 | 9.87 | 13.27 | 5.44 | 5.44 | 6.09 | 5.44 | 5.46 |
| 9 | 5.09 | 5.21 | 7.83 | --- | 7.69 | 14.26 | 12.04 | 5.47 | 5.41 | 5.87 | 5.42 | 5.46 |
| 10 | 5.09 | 5.25 | 7.38 | --- | 7.16 | 15.15 | 10.88 | 5.54 | 5.42 | 5.74 | 5.41 | 5.43 |
| 11 | 5.10 | 5.24 | 6.94 | 10.48 | 6.72 | 14.00 | 9.88 | 5.63 | 5.39 | 5.68 | 5.41 | 5.40 |
| 12 | 5.09 | 5.23 | 6.53 | 10.26 | 6.36 | 12.65 | 9.09 | 5.59 | 5.43 | 5.63 | 5.41 | 5.43 |
| 13 | 5.07 | 5.22 | 6.20 | 11.29 | 6.14 | 11.41 | 8.47 | 5.60 | 5.48 | 5.61 | 5.41 | 5.48 |
| 14 | 5.07 | 5.19 | 5.97 | 11.30 | 6.02 | 10.32 | 7.95 | 5.90 | 5.49 | 5.59 | 5.42 | 5.61 |
| 15 | 5.10 | 5.16 | 5.95 | 10.23 | 6.77 | 9.44 | 7.50 | 5.82 | 5.50 | 5.57 | 5.40 | 5.64 |
| 16 | 5.11 | 15.58 | 6.08 | 9.21 | 6.92 | 8.74 | 7.10 | 5.79 | 5.51 | 5.56 | 5.39 | 5.52 |
| 17 | 5.11 | 23.39 | 6.02 | 8.42 | 6.73 | 8.18 | 6.73 | 5.81 | 5.49 | 5.59 | 5.37 | 5.43 |
| 18 | 5.10 | 23.59 | 5.93 | 7.83 | 8.45 | 7.89 | 6.65 | 5.76 | 5.49 | 6.03 | 5.37 | 5.38 |
| 19 | 5.10 | 23.43 | 5.87 | 7.45 | 13.54 | 7.80 | 6.53 | 5.65 | 5.52 | 6.03 | 5.41 | 5.35 |
| 20 | 5.12 | 23.12 | 6.53 | 8.18 | 13.77 | 7.49 | 6.44 | 5.58 | 5.59 | 5.95 | 5.47 | 5.33 |
| 21 | 5.12 | 22.58 | 7.31 | 8.29 | 12.56 | 7.10 | 6.36 | 5.58 | 5.56 | 6.18 | 5.52 | 5.29 |
| 22 | 5.10 | 21.80 | 7.47 | 7.85 | 11.19 | 6.71 | 6.20 | 5.71 | 5.57 | 6.45 | 5.74 | 5.26 |
| 23 | 5.10 | 20.87 | 7.24 | 7.41 | 9.92 | 6.34 | 6.02 | 5.74 | 5.59 | 6.43 | 6.52 | 5.24 |
| 24 | 5.10 | 19.79 | 6.84 | 7.06 | 8.78 | 6.06 | 5.89 | 5.71 | 5.57 | 6.17 | 6.71 | 5.22 |
| 25 | 5.11 | 18.60 | 6.50 | 6.71 | 7.85 | 8.08 | 5.83 | 5.72 | 5.53 | 5.97 | 7.34 | 5.28 |
| 26 | 5.16 | 17.45 | 6.46 | 6.38 | 7.07 | 12.02 | 5.78 | 5.70 | 5.54 | 5.86 | 7.93 | 5.29 |
| 27 | 5.21 | 16.49 | 17.19 | 6.08 | 6.50 | 11.38 | 5.73 | 5.57 | 5.59 | 5.86 | 7.47 | 5.28 |
| 28 | 5.21 | 17.67 | 21.60 | 5.90 | 6.14 | 10.00 | 5.68 | 5.48 | 5.61 | 5.86 | 6.84 | 5.24 |
| 29 | 5.19 | 17.83 | 21.83 | 5.79 | 5.94 | 8.90 | 5.65 | 5.42 | 5.56 | 5.80 | 6.26 | 5.20 |
| 30 | 5.17 | 16.80 | 21.60 | 5.75 | --- | 8.99 | 5.62 | 5.43 | 5.51 | 5.74 | 5.86 | 5.20 |
| 31 | 5.16 | --- | 21.09 | 5.72 | --- | 14.19 | --- | 5.47 | --- | 5.68 | 5.65 | --- |
| MAX | 5.21 | 23.59 | 21.83 | 20.57 | 13.77 | 15.15 | 18.82 | 5.90 | 5.62 | 6.45 | 7.93 | 5.64 |
| MIN | 5.07 | 5.13 | 5.87 | 5.72 | 5.69 | 5.83 | 5.62 | 5.42 | 5.39 | 5.40 | 5.37 | 5.20 |

## 07369500 TENSAS RIVER AT TENDAL, LA--Continued

### WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944, 1955-57, 1966-73, 1975 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1967 to September 1968, November 1971 to September 1972, April 1975 to September 1981.
WATER TEMPERATURES: October 1967 to September 1968, April 1975 to September 1981.

INSTRUMENTATION.--Water-quality monitor April 1975 to September 1979.

REMARKS.--The temperature range for the water-quality monitor, 0.0°C to 36.5°C. Water-quality monitor removed September 1979. Samples for daily temperature and specific conductance were collected by an observer October 1979 to September 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 824 micromhos Sept. 3, 1981; minimum, 42 micromhos May 29, 1978.
WATER TEMPERATURES: Maximum, higher than 36.5°C Aug. 10, Sept. 1, 1977; minimum, 2.0°C Feb. 10, 1978.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--A water temperature of 2.0°C was observed Jan. 23, 1977.

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | DIS-CHARGE, IN CUBIC FEET PER SECOND | SPE-CIFIC CON-DUCT-ANCE (US/CM) | PH (STAND-ARD UNITS) | TEMPER-ATURE WATER (DEG C) | COLOR (PLAT-INUM-COBALT UNITS) | TUR-BID-ITY (NTU) | OXYGEN, DIS-SOLVED (MG/L) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) | STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 28... | 1500 | 15 | 672 | 8.10 | 19.0 | 10 | 18 | 9.9 | 2.4 | K20 | 110 |
| JAN 1988 | | | | | | | | | | | |
| 13... | 1500 | 667 | 127 | 7.40 | 5.0 | 80 | 92 | 11.3 | 3.4 | 160 | K35000 |
| APR | | | | | | | | | | | |
| 28... | 1650 | 37 | 409 | 8.58 | 24.0 | 15 | 19 | 17.4 | 8.9 | K2 | 64 |
| JUL | | | | | | | | | | | |
| 15... | 0830 | 28 | 608 | 8.00 | 29.5 | 10 | 41 | 6.5 | 2.5 | 200 | 130 |

| DATE | HARD-NESS TOTAL (MG/L AS CACO3) | CALCIUM DIS-SOLVED (MG/L AS CA) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) | SODIUM, DIS-SOLVED (MG/L AS NA) | POTAS-SIUM, DIS-SOLVED (MG/L AS K) | ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DIS-SOLVED (MG/L AS SO4) | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) | FLUO-RIDE, DIS-SOLVED (MG/L AS F) | SILICA, DIS-SOLVED (MG/L AS SIO2) | SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 28... | 280 | 72 | 24 | 42 | 4.0 | 313 | 10 | 31 | 0.3 | 19 | 383 |
| JAN 1988 | | | | | | | | | | | |
| 13... | 46 | 12 | 3.8 | 4.3 | 3.2 | 48 | 8.8 | 3.3 | 0.2 | 6.8 | 79 |
| APR | | | | | | | | | | | |
| 28... | 170 | 44 | 14 | 20 | 4.0 | 189 | 20 | 12 | 0.3 | 11 | 233 |
| JUL | | | | | | | | | | | |
| 15... | 200 | 50 | 18 | 56 | 4.2 | 272 | 12 | 28 | 0.4 | 15 | 348 |

K Results based on colony count outside the acceptable range (non-ideal colony count).

## 07369500 TENSAS RIVER AT TENDAL, LA--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L) | NITROGEN, NITRITE DIS-SOLVED (MG/L AS N) | NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N) | NITROGEN, AMMONIA TOTAL (MG/L AS N) | NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N) | NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) | PHOSPHOROUS TOTAL (MG/L AS P) | PHOSPHOROUS DIS-SOLVED (MG/L AS P) | PHOSPHOROUS ORTHO, DIS-SOLVED (MG/L AS P) | ALUMINUM, DIS-SOLVED (UG/L AS AL) | ARSENIC DIS-SOLVED (UG/L AS AS) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 28... | 389 | <0.01 | <0.10 | 0.02 | 0.03 | 0.9 | 0.24 | 0.07 | 0.07 | <10 | 2 |
| JAN 1988 | | | | | | | | | | | |
| 13... | 73 | <0.01 | 0.60 | 0.12 | 0.08 | 0.9 | 0.21 | 0.08 | 0.07 | 80 | 1 |
| APR | | | | | | | | | | | |
| 28... | 237 | 0.02 | 0.11 | 0.02 | 0.02 | 0.5 | 0.13 | 0.03 | 0.02 | <10 | 2 |
| JUL | | | | | | | | | | | |
| 15... | 346 | 0.02 | 0.10 | 0.10 | 0.09 | 1.7 | 0.16 | 0.10 | 0.06 | <10 | 8 |

| DATE | BARIUM, DIS-SOLVED (UG/L AS BA) | BERYLLIUM, DIS-SOLVED (UG/L AS BE) | CADMIUM DIS-SOLVED (UG/L AS CD) | CHROMIUM, DIS-SOLVED (UG/L AS CR) | COBALT, DIS-SOLVED (UG/L AS CO) | COPPER, DIS-SOLVED (UG/L AS CU) | IRON, DIS-SOLVED (UG/L AS FE) | LEAD, DIS-SOLVED (UG/L AS PB) | LITHIUM DIS-SOLVED (UG/L AS LI) | MANGANESE, DIS-SOLVED (UG/L AS MN) | MERCURY DIS-SOLVED (UG/L AS HG) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 28... | 180 | <0.5 | <1 | <1 | <3 | 1 | <3 | <5 | 15 | 240 | <0.1 |
| JAN 1988 | | | | | | | | | | | |
| 13... | 27 | <0.5 | <1 | <1 | <3 | 5 | 74 | <5 | <4 | 13 | <0.1 |
| APR | | | | | | | | | | | |
| 28... | 110 | <0.5 | <1 | <1 | <3 | 7 | 5 | <5 | 10 | 210 | <0.1 |
| JUL | | | | | | | | | | | |
| 15... | 130 | <0.5 | <1 | <1 | <3 | 2 | <3 | <5 | 7 | 2 | <0.1 |

| DATE | MOLYBDENUM, DIS-SOLVED (UG/L AS MO) | NICKEL, DIS-SOLVED (UG/L AS NI) | SELENIUM, DIS-SOLVED (UG/L AS SE) | SILVER, DIS-SOLVED (UG/L AS AG) | STRONTIUM, DIS-SOLVED (UG/L AS SR) | VANADIUM, DIS-SOLVED (UG/L AS V) | ZINC, DIS-SOLVED (UG/L AS ZN) | SEDIMENT, SUS-PENDED (MG/L) | SEDIMENT, DIS-CHARGE, SUS-PENDED (T/DAY) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 28... | <10 | 2 | <1 | 1 | 290 | <6 | 4 | 50 | 2.0 | 100 |
| JAN 1988 | | | | | | | | | | |
| 13... | <10 | 2 | <1 | <1 | 50 | <6 | 3 | 103 | 185 | 96 |
| APR | | | | | | | | | | |
| 28... | <10 | <1 | <1 | 1 | 190 | <6 | <3 | 38 | 3.8 | 100 |
| JUL | | | | | | | | | | |
| 15... | <10 | 1 | <1 | <1 | 230 | <6 | <3 | 86 | 6.5 | 100 |

< Actual value is known to be less than the value shown.

## 07370000 BAYOU MACON NEAR DELHI, LA

LOCATION.--Lat 32°27'25", long 91°28'30", in NE 1/4 SE 1/4 sec.18, T.17 N., R.10 E., Madison - Richland Parish line, Hydrologic Unit 08050002, near right bank on downstream side of bridge on U.S. Highway 80, 0.2 mi upstream from Illinois Central Gulf Railroad bridge, and 1.0 mi east of Delhi.

DRAINAGE AREA.--782 mi².

PERIOD OF RECORD.--October 1935 to current year. Monthly discharge only for some periods published in WSP 1311. Daily gage heights as follows: 1885-99 in reports of National Weather Service; September 1925 to December 1931 in files of Corps of Engineers, Vicksburg district; and since January 1932 in reports of Corps of Engineers, Vicksburg district.

REVISED RECORDS.--WDR LA-77-1: 1976.

GAGE.--Water-stage recorder. Datum of gage is 50.05 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Mar. 14, 1949, nonrecording gage; Mar. 14, 1949 to Oct. 1, 1963, water-stage recorder; all gages within 2,000 ft downstream at same datum. Auxiliary water-stage recorder 7.7 mi downstream from base gage at datum 46.05 ft above National Geodetic Vertical Datum of 1929. Prior to Mar. 9, 1972, auxiliary gages at different sites and datum. See WDR LA-76-1 for history of changes prior to Mar. 9, 1972.

REMARKS.--Estimated daily discharges. Records good. Large diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--53 years, 980 ft³/s, 710,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,480 ft³/s Jan. 21, 1979; maximum gage height, 26.00 ft May 6, 7, 1958; no flow May 25, 26, 28, June 1, 1963, June 11, 1988, and June 12 to July 4, 1988 result of temporary dam; minimum gage height observed, 4.13 ft June 21, 1988.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1882 reached a stage of 37.5 ft, present site and datum, from records of National Weather Service (affected by overflow from Mississippi River).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,320 ft³/s Dec. 28; maximum gage height, 21.41 ft Nov. 18; no flow, June 11; June 12 to July 4; minimum gage height observed, 4.13 ft June 21.

### DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 129 | 129 | 423 | 2910 | 133 | 110 | 3750 | 64 | 25 | .00 | 196 | 148 |
| 2 | 126 | 129 | 325 | 2300 | 346 | 117 | 4660 | 29 | 33 | .00 | 242 | 150 |
| 3 | 115 | 132 | 277 | 1730 | 2050 | 2260 | 4760 | e15 | 65 | .00 | 174 | 198 |
| 4 | 107 | 137 | 249 | 1070 | 1770 | 2540 | 3530 | e13 | 307 | .00 | 133 | 329 |
| 5 | 108 | 147 | 222 | 570 | 873 | 1160 | 2600 | e11 | 244 | 17 | 125 | 322 |
| 6 | 120 | 135 | 207 | 408 | 459 | 518 | 1940 | e10 | 134 | 78 | 135 | 267 |
| 7 | 123 | 129 | 199 | 333 | 283 | 317 | 1010 | e9.0 | 85 | 152 | 136 | 208 |
| 8 | 122 | 141 | 179 | 274 | 209 | 359 | 776 | e8.0 | 46 | 159 | 131 | 184 |
| 9 | 124 | 160 | 170 | 241 | 167 | 2290 | 652 | 26 | 23 | 103 | 93 | 164 |
| 10 | 127 | 168 | 162 | 220 | 151 | 2680 | 564 | 41 | 8.4 | 76 | 62 | 152 |
| 11 | 130 | 152 | 158 | 205 | 179 | 1820 | 458 | 34 | .93 | 72 | 58 | 181 |
| 12 | 124 | 146 | 162 | 257 | 171 | 1010 | 406 | 16 | .00 | 89 | 66 | 238 |
| 13 | 121 | 141 | 160 | 561 | 159 | 1010 | 371 | 14 | .00 | 131 | 83 | 242 |
| 14 | 120 | 135 | 154 | 537 | 143 | 866 | 324 | 17 | .00 | 148 | 88 | 287 |
| 15 | 120 | 129 | 174 | 370 | 156 | 655 | 243 | 27 | .00 | 134 | 98 | 215 |
| 16 | 120 | 1890 | 172 | 274 | 206 | 523 | 187 | 66 | .00 | 84 | 75 | 173 |
| 17 | 124 | 4680 | 169 | 218 | 214 | 415 | 151 | 89 | .00 | 54 | 37 | 165 |
| 18 | 125 | 5910 | 159 | 190 | 453 | 384 | 138 | 64 | .00 | 48 | 19 | 155 |
| 19 | 131 | 4960 | 148 | 964 | 1400 | 325 | 142 | 46 | .00 | 67 | 21 | 142 |
| 20 | 137 | 3540 | 261 | 2160 | 1030 | 247 | 128 | 52 | .00 | 152 | 41 | 135 |
| 21 | 126 | 2290 | 273 | 1620 | 633 | 203 | 125 | 69 | .00 | 233 | 112 | 124 |
| 22 | 119 | 1560 | 236 | 1030 | 392 | 184 | 129 | 94 | .00 | 227 | 548 | 111 |
| 23 | 120 | 1190 | 192 | 667 | 296 | 172 | 130 | 130 | .00 | 191 | 508 | 103 |
| 24 | 124 | 751 | 163 | 459 | 210 | 159 | 125 | 145 | .00 | 145 | 801 | 98 |
| 25 | 134 | 356 | 152 | 323 | 162 | 1100 | 114 | 178 | .00 | 112 | 1220 | 118 |
| 26 | 142 | 230 | 319 | 247 | 139 | 1530 | 111 | 165 | .00 | 112 | 696 | 242 |
| 27 | 143 | 262 | 4320 | 204 | 141 | 788 | 115 | 95 | .00 | 326 | 413 | 224 |
| 28 | 130 | 1590 | 6920 | 177 | 133 | 427 | 129 | 60 | .00 | 485 | 288 | 161 |
| 29 | 123 | 1360 | 6960 | 157 | 124 | 292 | 129 | 36 | .00 | 433 | 222 | 133 |
| 30 | 126 | 706 | 5740 | 144 | --- | 579 | 107 | [illegible] | .00 | 288 | 186 | 123 |
| 31 | 128 | --- | 4010 | 140 | --- | 2370 | --- | [illegible] | --- | 208 | 162 | --- |
| TOTAL | 3868 | 33385 | 33415 | 20960 | 12782 | 27410 | 28004 | 1679.0 | 971.33 | 4324.00 | 7169 | 5492 |
| MEAN | 125 | 1113 | 1078 | 676 | 441 | 884 | 933 | 54.2 | 32.4 | 139 | 231 | 183 |
| MAX | 143 | 5910 | 6960 | 2910 | 2050 | 2680 | 4760 | 178 | 307 | 485 | 1220 | 329 |
| MIN | 107 | 129 | 148 | 140 | 124 | 110 | 107 | 8.0 | .00 | .00 | 19 | 98 |
| AC-FT | 7670 | 66220 | 66280 | 41570 | 25350 | 54370 | 55550 | 3330 | 1930 | 8580 | 14220 | 10890 |

| | | | | | |
|---|---|---|---|---|---|
| CAL YR 1987 | TOTAL 269938 | MEAN 740 | MAX 7380 | MIN 46 | AC-FT 535400 |
| WTR YR 1988 | TOTAL 179459.33 | MEAN 490 | MAX 6960 | MIN .00 | AC-FT 356000 |

e Estimated.

### 07370000 BAYOU MACON NEAR DELHI, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.08 | 7.08 | 7.94 | 16.03 | 7.34 | 7.24 | 12.79 | 6.92 | 6.53 | --- | 7.27 | 7.16 |
| 2 | 7.06 | 7.08 | 7.72 | 14.03 | 7.80 | 7.26 | 15.24 | 6.59 | 6.63 | --- | 7.43 | 7.17 |
| 3 | 7.02 | 7.09 | 7.59 | 11.43 | 10.18 | 10.55 | 16.98 | --- | 6.85 | --- | 7.19 | 7.34 |
| 4 | 6.98 | 7.11 | 7.51 | 9.12 | 9.81 | 10.91 | 15.69 | --- | 7.81 | 5.13 | 7.03 | 7.73 |
| 5 | 6.98 | 7.16 | 7.43 | 8.33 | 8.77 | 9.12 | 13.32 | --- | 7.64 | 6.17 | 6.99 | 7.71 |
| 6 | 7.04 | 7.10 | 7.38 | 8.04 | 8.13 | 8.23 | 10.61 | --- | 7.26 | 6.80 | 7.03 | 7.56 |
| 7 | 7.05 | 7.08 | 7.35 | 7.89 | 7.78 | 7.85 | 8.96 | --- | 7.03 | 7.17 | 7.04 | 7.38 |
| 8 | 7.05 | 7.13 | 7.28 | 7.76 | 7.59 | 7.90 | 8.66 | --- | 6.74 | 7.21 | 7.02 | 7.30 |
| 9 | 7.06 | 7.21 | 7.25 | 7.68 | 7.46 | 10.56 | 8.47 | 6.56 | 6.50 | 6.95 | 6.82 | 7.22 |
| 10 | 7.07 | 7.24 | 7.22 | 7.62 | 7.40 | 11.13 | 8.31 | 6.73 | 6.24 | 6.81 | 6.63 | 7.18 |
| 11 | 7.09 | 7.18 | 7.20 | 7.58 | 7.50 | 9.88 | 8.12 | 6.66 | 5.94 | 6.78 | 6.60 | 7.29 |
| 12 | 7.06 | 7.15 | 7.22 | 7.71 | 7.47 | 8.96 | 8.02 | 6.41 | 5.66 | 6.88 | 6.66 | 7.48 |
| 13 | 7.04 | 7.13 | 7.21 | 8.31 | 7.43 | 8.97 | 7.95 | 6.37 | 5.43 | 7.09 | 6.77 | 7.49 |
| 14 | 7.04 | 7.11 | 7.19 | 8.27 | 7.37 | 8.78 | 7.85 | 6.42 | 5.26 | 7.16 | 6.80 | 7.62 |
| 15 | 7.04 | 7.08 | 7.26 | 7.96 | 7.42 | 8.47 | 7.65 | 6.56 | 5.08 | 7.10 | 6.85 | 7.41 |
| 16 | 7.04 | 11.47 | 7.26 | 7.76 | 7.57 | 8.25 | 7.48 | 6.91 | 4.95 | 6.85 | 6.72 | 7.26 |
| 17 | 7.06 | 19.63 | 7.24 | 7.61 | 7.60 | 8.05 | 7.36 | 7.05 | 4.84 | 6.65 | 6.40 | 7.23 |
| 18 | 7.06 | 21.32 | 7.21 | 7.53 | 8.05 | 7.99 | 7.31 | 6.90 | --- | 6.60 | 6.16 | 7.19 |
| 19 | 7.09 | 20.77 | 7.16 | 8.72 | 9.39 | 7.87 | 7.32 | 6.76 | --- | 6.74 | 6.20 | 7.14 |
| 20 | 7.11 | 19.24 | 7.55 | 10.32 | 8.99 | 7.69 | 7.27 | 6.81 | --- | 7.17 | 6.43 | 7.10 |
| 21 | 7.07 | 17.09 | 7.58 | 9.62 | 8.43 | 7.57 | 7.25 | 6.93 | --- | 7.47 | 6.89 | 7.06 |
| 22 | 7.03 | 14.67 | 7.47 | 8.98 | 8.01 | 7.51 | 7.27 | 7.07 | --- | 7.45 | 8.15 | 7.00 |
| 23 | 7.04 | 12.00 | 7.33 | 8.48 | 7.81 | 7.47 | 7.28 | 7.24 | --- | 7.32 | 8.08 | 6.96 |
| 24 | 7.05 | 9.29 | 7.22 | 8.13 | 7.59 | 7.43 | 7.26 | 7.30 | --- | 7.15 | 8.52 | 6.93 |
| 25 | 7.10 | 7.78 | 7.18 | 7.87 | 7.44 | 8.90 | 7.21 | 7.43 | --- | 7.00 | 9.18 | 7.03 |
| 26 | 7.14 | 7.45 | 7.61 | 7.69 | 7.36 | 9.53 | 7.19 | 7.38 | --- | 7.00 | 8.45 | 7.49 |
| 27 | 7.14 | 7.52 | 14.04 | 7.57 | 7.36 | 8.66 | 7.21 | 7.08 | --- | 7.70 | 7.92 | 7.44 |
| 28 | 7.08 | 9.58 | 19.48 | 7.49 | 7.34 | 8.07 | 7.27 | 6.87 | --- | 8.06 | 7.62 | 7.21 |
| 29 | 7.05 | 9.32 | 20.50 | 7.42 | 7.30 | 7.80 | 7.27 | 6.66 | --- | 7.91 | 7.43 | 7.10 |
| 30 | 7.07 | 8.47 | 19.82 | 7.38 | --- | 8.33 | 7.17 | 6.58 | --- | 7.56 | 7.31 | 7.05 |
| 31 | 7.07 | --- | 18.04 | 7.36 | --- | 10.70 | --- | 6.56 | --- | 7.32 | 7.22 | --- |
| MAX | 7.14 | 21.32 | 20.50 | 16.03 | 10.18 | 11.13 | 16.98 | 7.43 | 7.81 | 8.06 | 9.18 | 7.73 |
| MIN | 6.98 | 7.08 | 7.16 | 7.36 | 7.30 | 7.24 | 7.17 | --- | --- | --- | 6.16 | 6.93 |

## 07371500 DUGDEMONA RIVER NEAR JONESBORO, LA

LOCATION.--Lat 32°12'25", long 92°48'05", in SW 1/4 sec.8, T.14 N., R.4 W., Bienville - Jackson Parish line, Hydrologic Unit 08040303, on left bank just upstream from bridge on State Highway 4, 200 ft downstream from Brush Creek, 1.5 mi downstream from McDonald Creek, and 5.4 mi west of Jackson Parish courthouse in Jonesboro.

DRAINAGE AREA.--355 mi².

PERIOD OF RECORD.--October 1938 to September 1957, October 1977 to current year. November 1957 to September 1977 (annual maximum, daily gage heights, and miscellaneous discharge measurements only).

REVISED RECORDS.--WRD LA-1971: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 116.53 ft above National Geodetic Vertical Datum of 1929. Prior to Nov. 29, 1938, nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharges. Records good. Water used by paper mill at Hodge is pumped from wells and discharged into stream about 7 mi above station. Most of effluent is discharged continually whenever mill is operating, but some waste water is stored in a reservoir and released whenever river flow is sufficient to materially dilute it. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--30 years (water years 1939-57, 1978-88), 409 ft³/s, 296,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 41,500 ft³/s Dec. 28, 1982, gage height, 21.20 ft from floodmark; minimum gage height, 2.67 ft Sept. 26, 1955. Minimum discharge observed, 0.4 ft³/s Aug. 31, 1954 (discharge measurement), but may have been less in September 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 3,000 ft³/s and maximum (*):

| Date | Time | Discharge (ft³/s) | Gage height (ft) | Date | Time | Discharge (ft³/s) | Gage height (ft) |
|---|---|---|---|---|---|---|---|
| Dec. 28 | 2030 | *10,500 | *16.27 | Mar. 11 | 1200 | 3,100 | 13.22 |
| Jan. 21 | 1600 | 3,700 | 13.62 | Apr. 3 | 0730 | 3,330 | 13.38 |

Minimum discharge, 13 ft³/s Oct. 14, 15, 17, 18, 19, Aug. 5, 6; minimum gage height 3.38 ft Oct. 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21 | 29 | 218 | 1710 | 242 | 243 | 1770 | 45 | 20 | 17 | 33 | 18 |
| 2 | 22 | 27 | 177 | 1280 | 332 | 229 | 2650 | 37 | 18 | 17 | 26 | 18 |
| 3 | 22 | 25 | 149 | 967 | 658 | 445 | 3270 | 34 | 18 | 17 | 21 | 21 |
| 4 | 21 | 23 | 129 | 794 | 1180 | 740 | 3100 | 33 | 18 | 17 | 17 | 23 |
| 5 | 21 | 22 | 110 | 628 | 1420 | 796 | 2320 | 31 | 18 | 25 | 13 | 21 |
| 6 | 22 | 19 | 97 | 495 | 1280 | 807 | 1560 | 30 | 19 | 47 | 14 | 19 |
| 7 | 23 | 17 | 105 | 431 | 925 | 640 | 1040 | 28 | 19 | 30 | 15 | 18 |
| 8 | 23 | 17 | 128 | 398 | 626 | 490 | 720 | 26 | 20 | 23 | 15 | 18 |
| 9 | 23 | 25 | 156 | 382 | 442 | 1200 | 498 | 23 | 21 | 21 | 16 | 18 |
| 10 | 23 | 46 | 184 | 366 | 373 | 2120 | 372 | 21 | 21 | 23 | 17 | 19 |
| 11 | 24 | 49 | 171 | 344 | 339 | 2940 | 303 | 20 | 20 | 28 | 29 | 19 |
| 12 | 20 | 93 | 147 | 327 | 309 | 2260 | 264 | 20 | 19 | 25 | 28 | 21 |
| 13 | 15 | 81 | 126 | 341 | 290 | 1500 | 253 | 19 | 17 | 23 | 22 | 21 |
| 14 | 13 | 56 | 109 | 386 | 281 | 1020 | 240 | 18 | 14 | 21 | 26 | 21 |
| 15 | 14 | 45 | 98 | 432 | 274 | 723 | 213 | 19 | 15 | 18 | 26 | 20 |
| 16 | 14 | 281 | 91 | 450 | 280 | 502 | 178 | 19 | 16 | 20 | 23 | 19 |
| 17 | 14 | 1690 | 84 | 440 | 337 | 385 | 150 | 19 | 19 | 21 | 20 | 19 |
| 18 | 13 | 2130 | 85 | 461 | 444 | 485 | 133 | 18 | 20 | 20 | 19 | 20 |
| 19 | 13 | 2570 | 88 | 775 | 1020 | 715 | 154 | 18 | 21 | 20 | 19 | 20 |
| 20 | 14 | 2150 | 159 | 2150 | 1560 | 795 | 303 | 17 | 22 | 20 | 19 | 19 |
| 21 | 16 | 1400 | 298 | 3420 | 1720 | 766 | 353 | 18 | 21 | 20 | 19 | 19 |
| 22 | 21 | 796 | 371 | 2940 | 1500 | 620 | 256 | 21 | 20 | 19 | 20 | 19 |
| 23 | 22 | 407 | 373 | 1890 | 1080 | 446 | 175 | 21 | 20 | 19 | 22 | 18 |
| 24 | 23 | 230 | 285 | 1270 | 736 | 361 | 135 | 21 | 19 | 20 | 21 | 18 |
| 25 | 23 | 172 | 227 | 850 | 489 | 329 | 108 | 28 | 18 | 19 | 26 | 17 |
| 26 | 27 | 207 | 215 | 578 | 376 | 325 | 89 | 32 | 19 | 17 | 22 | 17 |
| 27 | 29 | 259 | 2230 | 418 | 320 | 344 | 78 | 27 | 19 | 20 | 20 | 17 |
| 28 | 28 | 324 | 8780 | 336 | 284 | 380 | 64 | 25 | 19 | 24 | 19 | 16 |
| 29 | 27 | 315 | 8260 | 292 | 262 | 342 | 60 | 22 | 19 | 23 | 18 | 16 |
| 30 | 26 | 262 | 4270 | 263 | --- | 477 | 63 | 21 | 18 | 52 | 18 | 16 |
| 31 | 29 | --- | 2480 | 246 | --- | 1130 | --- | 20 | --- | 48 | 18 | --- |
| TOTAL | 646 | 13767 | 30400 | 26060 | 19379 | 24555 | 20872 | 751 | 567 | 734 | 641 | 565 |
| MEAN | 20.8 | 459 | 981 | 841 | 668 | 792 | 696 | 24.2 | 18.9 | 23.7 | 20.7 | 18.8 |
| MAX | 29 | 2570 | 8780 | 3420 | 1720 | 2940 | 3270 | 45 | 22 | 52 | 33 | 23 |
| MIN | 13 | 17 | 84 | 246 | 242 | 229 | 60 | 17 | 14 | 17 | 13 | 16 |
| AC-FT | 1280 | 27310 | 60300 | 51690 | 38440 | 48700 | 41400 | 1490 | 1120 | 1460 | 1270 | 1120 |

CAL YR 1987 TOTAL 161605.8 MEAN 443 MAX 9510 MIN 9.8 AC-FT 320500
WTR YR 1988 TOTAL 138937 MEAN 380 MAX 8780 MIN 13 AC-FT 275600

## 07371500 DUGDEMONA RIVER NEAR JONESBORO, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.75 | 4.01 | 7.33 | 12.03 | 7.65 | 7.67 | 12.11 | 4.43 | 3.68 | 3.55 | 4.13 | 3.61 |
| 2 | 3.78 | 3.94 | 6.75 | 11.51 | 8.52 | 7.49 | 12.87 | 4.23 | 3.64 | 3.58 | 3.91 | 3.63 |
| 3 | 3.76 | 3.89 | 6.32 | 11.03 | 10.20 | 9.26 | 13.34 | 4.16 | 3.61 | 3.57 | 3.75 | 3.75 |
| 4 | 3.73 | 3.82 | 5.99 | 10.63 | 11.37 | 10.49 | 13.22 | 4.13 | 3.60 | 3.58 | 3.57 | 3.82 |
| 5 | 3.76 | 3.79 | 5.72 | 10.16 | 11.70 | 10.64 | 12.61 | 4.09 | 3.62 | 3.86 | 3.41 | 3.72 |
| 6 | 3.79 | 3.66 | 5.52 | 9.64 | 11.51 | 10.67 | 11.86 | 4.04 | 3.65 | 4.48 | 3.46 | 3.66 |
| 7 | 3.80 | 3.58 | 5.64 | 9.28 | 10.93 | 10.19 | 11.15 | 3.98 | 3.67 | 4.03 | 3.49 | 3.62 |
| 8 | 3.81 | 3.58 | 5.97 | 9.05 | 10.14 | 9.60 | 10.43 | 3.93 | 3.71 | 3.81 | 3.49 | 3.60 |
| 9 | 3.83 | 3.87 | 6.43 | 8.94 | 9.34 | 11.29 | 9.64 | 3.82 | 3.72 | 3.76 | 3.53 | 3.63 |
| 10 | 3.83 | 4.46 | 6.85 | 8.82 | 8.87 | 12.45 | 8.86 | 3.75 | 3.72 | 3.80 | 3.58 | 3.64 |
| 11 | 3.83 | 4.51 | 6.66 | 8.65 | 8.61 | 13.10 | 8.30 | 3.71 | 3.70 | 3.99 | 4.00 | 3.67 |
| 12 | 3.71 | 5.44 | 6.29 | 8.52 | 8.36 | 12.56 | 7.93 | 3.69 | 3.67 | 3.89 | 3.98 | 3.72 |
| 13 | 3.48 | 5.17 | 5.95 | 8.63 | 8.19 | 11.79 | 7.79 | 3.64 | 3.57 | 3.82 | 3.76 | 3.74 |
| 14 | 3.40 | 4.67 | 5.70 | 8.97 | 8.11 | 11.11 | 7.63 | 3.63 | 3.44 | 3.74 | 3.93 | 3.74 |
| 15 | 3.42 | 4.44 | 5.52 | 9.29 | 8.04 | 10.44 | 7.26 | 3.64 | 3.47 | 3.63 | 3.93 | 3.72 |
| 16 | 3.45 | 7.26 | 5.39 | 9.41 | 8.09 | 9.66 | 6.76 | 3.67 | 3.54 | 3.70 | 3.82 | 3.68 |
| 17 | 3.42 | 11.93 | 5.25 | 9.34 | 8.59 | 8.96 | 6.34 | 3.66 | 3.65 | 3.72 | 3.72 | 3.67 |
| 18 | 3.40 | 12.45 | 5.28 | 9.47 | 9.29 | 9.55 | 6.06 | 3.63 | 3.72 | 3.71 | 3.68 | 3.68 |
| 19 | 3.41 | 12.82 | 5.33 | 10.47 | 11.05 | 10.42 | 6.38 | 3.60 | 3.74 | 3.69 | 3.68 | 3.68 |
| 20 | 3.45 | 12.47 | 6.46 | 12.45 | 11.87 | 10.64 | 8.27 | 3.59 | 3.76 | 3.70 | 3.66 | 3.67 |
| 21 | 3.51 | 11.66 | 8.25 | 13.44 | 12.05 | 10.56 | 8.72 | 3.61 | 3.74 | 3.70 | 3.66 | 3.67 |
| 22 | 3.72 | 10.61 | 8.86 | 13.10 | 11.80 | 10.13 | 7.79 | 3.73 | 3.70 | 3.66 | 3.71 | 3.65 |
| 23 | 3.76 | 9.06 | 8.87 | 12.22 | 11.22 | 9.36 | 6.72 | 3.75 | 3.71 | 3.66 | 3.77 | 3.62 |
| 24 | 3.81 | 7.48 | 8.13 | 11.50 | 10.47 | 8.78 | 6.10 | 3.73 | 3.65 | 3.69 | 3.72 | 3.60 |
| 25 | 3.80 | 6.68 | 7.45 | 10.76 | 9.59 | 8.54 | 5.69 | 4.00 | 3.61 | 3.64 | 3.93 | 3.59 |
| 26 | 3.95 | 7.18 | 7.27 | 9.98 | 8.89 | 8.50 | 5.36 | 4.10 | 3.65 | 3.60 | 3.78 | 3.58 |
| 27 | 4.02 | 7.85 | 11.79 | 9.18 | 8.46 | 8.65 | 5.12 | 3.95 | 3.67 | 3.71 | 3.69 | 3.56 |
| 28 | 3.99 | 8.49 | 15.73 | 8.59 | 8.13 | 8.93 | 4.82 | 3.87 | 3.66 | 3.85 | 3.64 | 3.55 |
| 29 | 3.94 | 8.41 | 15.57 | 8.21 | 7.90 | 8.63 | 4.74 | 3.78 | 3.64 | 3.81 | 3.64 | 3.53 |
| 30 | 3.91 | 7.90 | 13.92 | 7.91 | --- | 9.48 | 4.81 | 3.74 | 3.61 | 4.56 | 3.63 | 3.54 |
| 31 | 4.02 | --- | 12.74 | 7.70 | --- | 11.22 | --- | 3.72 | --- | 4.50 | 3.61 | --- |
| MAX | 4.02 | 12.82 | 15.73 | 13.44 | 12.05 | 13.10 | 13.34 | 4.43 | 3.76 | 4.56 | 4.13 | 3.82 |
| MIN | 3.40 | 3.58 | 5.25 | 7.70 | 7.65 | 7.49 | 4.74 | 3.59 | 3.44 | 3.55 | 3.41 | 3.53 |

## 07372200 LITTLE RIVER NEAR ROCHELLE, LA

**LOCATION.**--Lat 31°45'15", long 92°20'40", in NW 1/4 sec.41, T.9 N., R.1 E., Grant - La Salle Parish line, Hydrologic Unit 08040304, near right bank on downstream side of pier of bridge on State Highway 500, 700 ft upstream from Louisiana Midland Railway Co. bridge, 1.1 mi northeast of Zenoria, and 3.0 mi southeast of Rochelle.

**DRAINAGE AREA.**--1,899 mi².

**PERIOD OF RECORD.**--October 1957 to current year.

**REVISED RECORDS.**--WRD LA-1973: Drainage area.

**GAGE.**--Water-stage recorder. Datum of gage is 24.79 ft above National Geodetic Vertical Datum of 1929. Water-stage recorder for station Little River at Rochelle (station 07372190) used as auxiliary gage for this station since May 9, 1960. Prior to May 9, 1960, auxiliary nonrecording gage 5.1 mi upstream from base gage at same datum. Nonrecording gage read twice daily at auxiliary gage from Jan. 3, 1983 to Sept. 30, 1986.

**REMARKS.**--Estimated daily discharges. Records good, except those for period of no gage-height record (Aug. 28 to Sept. 25) and indefinite stage-discharge relationship (May 1 to July 4), which are fair. Natural flow is supplemented by effluent from operation of several oil fields upstream from station. Several measurements of water temperature were made during the year.

**AVERAGE DISCHARGE.**--31 years, 2,146 ft³/s, 15.35 in/yr, 1,555,000 acre-ft/yr.

**EXTREMES FOR PERIOD OF RECORD.**--Maximum discharge, 108,000 ft³/s Dec. 29, 1982, gage height, 45.88 ft, from floodmark; minimum discharge, 9.6 ft³/s Sept. 26, 27, 1980, gage height, 4.87 ft.

**EXTREMES FOR CURRENT YEAR.**--Maximum discharge, 60,600 ft³/s Nov. 18, gage height, 41.09 ft; minimum discharge, 16 ft³/s Oct. 25, 26; minimum gage height, 4.63 ft Oct. 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 38 | 25 | 3830 | 15000 | 3330 | 2110 | 11000 | e280 | e34 | e25 | 426 | e38 |
| 2 | 34 | 25 | 3000 | 15200 | 2790 | 2910 | 12700 | e245 | e33 | e26 | 350 | e36 |
| 3 | 30 | 25 | 2170 | 15000 | 2340 | 4470 | 14800 | 218 | e32 | e30 | 264 | e60 |
| 4 | 27 | 25 | 1530 | 14000 | 2140 | 5560 | 15900 | e200 | e31 | e40 | 188 | e140 |
| 5 | 26 | 25 | 1190 | 12500 | 2150 | 5670 | 16000 | e170 | e30 | 92 | 135 | e135 |
| 6 | 25 | 24 | 968 | 11500 | 2280 | 5310 | 15200 | e150 | e29 | 269 | 107 | e100 |
| 7 | 24 | 23 | 809 | 10500 | 2290 | 4600 | 13900 | e130 | e28 | 446 | 88 | e72 |
| 8 | 23 | 25 | 835 | 9520 | 2180 | 4380 | 12600 | e110 | e27 | 569 | 72 | e62 |
| 9 | 22 | 49 | 1000 | 8320 | 2120 | 5830 | 11800 | e100 | e28 | 566 | 60 | e54 |
| 10 | 23 | 95 | 968 | 7110 | 2110 | 6380 | 11000 | e90 | e28 | 404 | 58 | e47 |
| 11 | 23 | 162 | 856 | 6040 | 2260 | 6440 | 9680 | e80 | e27 | 283 | 57 | e180 |
| 12 | 23 | 137 | 760 | 5010 | 2510 | 6270 | 8370 | e70 | e27 | 212 | 53 | e280 |
| 13 | 23 | 98 | 699 | 4180 | 2580 | 6080 | 6710 | e60 | e26 | 181 | 52 | e290 |
| 14 | 23 | 75 | 647 | 3510 | 2600 | 5950 | 5140 | e50 | e26 | 171 | 57 | e280 |
| 15 | 23 | 77 | 623 | 2930 | 2600 | 5840 | 3860 | e45 | e26 | 146 | 53 | e165 |
| 16 | 23 | 6170 | 615 | 2370 | 2550 | 5740 | 3720 | e45 | e26 | 131 | 46 | e135 |
| 17 | 23 | 30100 | 564 | 2250 | 2450 | 5520 | 2550 | e50 | e26 | 113 | 40 | e115 |
| 18 | 24 | 57700 | 497 | 1990 | 2660 | 5520 | 1630 | e45 | e26 | 101 | 38 | e105 |
| 19 | 24 | 54500 | 460 | 2960 | 3090 | 5730 | 1080 | e40 | e26 | 142 | 39 | e98 |
| 20 | 23 | 39100 | 1140 | 4010 | 3260 | 5850 | 953 | e50 | e27 | 262 | 41 | e84 |
| 21 | 22 | 26800 | 1950 | 4690 | 3530 | 5790 | 790 | e70 | e26 | 489 | 41 | e76 |
| 22 | 20 | 18300 | 2400 | 5170 | 3750 | 5500 | 671 | e65 | e25 | 749 | 41 | e70 |
| 23 | 18 | 14100 | 2470 | 5320 | 3850 | 5050 | 651 | e60 | e26 | 852 | 50 | e60 |
| 24 | 17 | 11900 | 2280 | 5380 | 3850 | 4490 | 683 | e50 | e26 | 603 | 74 | e50 |
| 25 | 16 | 10400 | 2020 | 5340 | 2800 | 4510 | 627 | e45 | e27 | 367 | 78 | e45 |
| 26 | 19 | 9020 | 2010 | 5210 | 3380 | 5720 | 589 | e50 | e27 | 245 | 63 | 40 |
| 27 | 20 | 7600 | 4230 | 5000 | 2900 | 6210 | 557 | e55 | e26 | 230 | 57 | 37 |
| 28 | 20 | 6600 | 7340 | 4750 | 2430 | 6560 | 482 | e50 | e26 | 158 | e53 | 34 |
| 29 | 22 | 5670 | 9690 | 4470 | 2120 | 6860 | 408 | e45 | e25 | 151 | e47 | 33 |
| 30 | 23 | 4720 | 12600 | 4170 | --- | 7580 | 345 | e40 | e25 | 336 | e44 | 32 |
| 31 | 24 | --- | 14500 | 3730 | --- | 9360 | --- | e35 | --- | 465 | e41 | --- |
| TOTAL | 725 | 303570 | 84651 | 207130 | 78900 | 173790 | 184396 | 2793 | 822 | 8854 | 2813 | 2953 |
| MEAN | 23.4 | 10120 | 2731 | 6682 | 2721 | 5606 | 6147 | 90.1 | 27.4 | 286 | 90.7 | 98.4 |
| MAX | 38 | 57700 | 14500 | 15200 | 3850 | 9360 | 16000 | 280 | 34 | 852 | 426 | 290 |
| MIN | 16 | 23 | 460 | 1990 | 2110 | 2110 | 345 | 35 | 25 | 25 | 38 | 32 |
| AC-FT | 1440 | 602100 | 167900 | 410800 | 156500 | 344700 | 365700 | 5540 | 1630 | 17560 | 5580 | 5860 |
| CFSM | .01 | 5.33 | 1.44 | 3.52 | 1.43 | 2.95 | 3.24 | .05 | .01 | .15 | .05 | .05 |
| IN. | .01 | 5.95 | 1.66 | 4.06 | 1.55 | 3.40 | 3.61 | .05 | .02 | .17 | .06 | .06 |

CAL YR 1987 TOTAL 1124207 MEAN 3080 MAX 57700 MIN 16 AC-FT 2230000 CFSM 1.62 IN. 22.02
WTR YR 1988 TOTAL 1051397 MEAN 2873 MAX 57700 MIN 16 AC-FT 2085000 CFSM 1.51 IN. 20.60

e Estimated.

## 07372200 LITTLE RIVER NEAR ROCHELLE, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.17 | 4.85 | 24.22 | 33.70 | 21.97 | 21.03 | 31.56 | 9.70 | 9.15 | 8.97 | 9.21 | --- |
| 2 | 5.10 | 4.86 | 21.29 | 33.91 | 20.80 | 19.50 | 32.68 | 9.56 | 9.17 | 8.84 | 8.72 | --- |
| 3 | 5.00 | 4.87 | 18.24 | 33.97 | 19.86 | 24.68 | 33.53 | 9.46 | 9.12 | 8.68 | 8.10 | --- |
| 4 | 4.94 | 4.87 | 16.01 | 33.54 | 19.10 | 26.97 | 34.09 | 9.34 | 9.19 | 8.64 | 7.43 | --- |
| 5 | 4.90 | 4.85 | 14.65 | 33.54 | 18.85 | 27.56 | 34.12 | 9.25 | 9.19 | 8.55 | 6.83 | --- |
| 6 | 4.89 | 4.82 | 13.72 | 32.81 | 18.93 | 27.28 | 33.88 | 9.22 | 9.17 | 8.83 | 6.47 | --- |
| 7 | 4.86 | 4.80 | 13.34 | 32.01 | 18.76 | 26.81 | 33.38 | 9.18 | 9.14 | 9.44 | 6.22 | --- |
| 8 | 4.83 | 4.83 | 13.91 | 31.37 | 18.39 | 26.20 | 32.79 | 9.21 | 9.13 | 10.15 | 6.01 | --- |
| 9 | 4.82 | 5.29 | 13.73 | 30.76 | 18.05 | 27.17 | 32.16 | 9.17 | 9.11 | 10.30 | 5.82 | --- |
| 10 | 4.83 | 5.91 | 13.13 | 30.05 | 17.90 | 27.65 | 31.51 | 9.12 | 9.17 | 9.50 | 5.77 | --- |
| 11 | 4.84 | 6.68 | 12.49 | 29.26 | 18.03 | 27.68 | 30.81 | 9.10 | 9.12 | 8.49 | 5.76 | --- |
| 12 | 4.84 | 6.38 | 11.89 | 28.32 | 18.03 | 27.38 | 29.94 | 9.09 | 9.10 | 7.67 | 5.70 | --- |
| 13 | 4.83 | 5.94 | 11.43 | 27.28 | 18.52 | 26.99 | 28.81 | 9.12 | 9.10 | 7.15 | 5.66 | --- |
| 14 | 4.83 | 5.66 | 11.06 | 26.15 | 18.57 | 26.67 | 27.20 | 9.08 | 9.08 | 6.98 | 5.75 | --- |
| 15 | 4.83 | 5.50 | 10.81 | 25.08 | 18.53 | 26.45 | 24.86 | 9.08 | 9.05 | 6.71 | 5.69 | --- |
| 16 | 4.84 | 29.18 | 10.83 | 24.09 | 18.32 | 26.26 | 21.60 | 9.07 | 9.02 | 6.54 | 5.58 | --- |
| 17 | 4.85 | 36.30 | 10.44 | 23.11 | 18.07 | 25.96 | 18.11 | 9.05 | 9.01 | 6.34 | 5.47 | --- |
| 18 | 4.85 | 40.54 | 9.97 | 22.24 | 18.45 | 26.06 | 15.56 | 9.07 | 9.02 | 6.18 | 5.42 | --- |
| 19 | 4.85 | 40.67 | 9.81 | 21.73 | 24.15 | 26.88 | 14.51 | 9.06 | 9.03 | 6.61 | 5.44 | --- |
| 20 | 4.83 | 39.14 | 13.58 | 25.43 | 25.80 | 26.97 | 13.84 | 9.03 | 9.04 | 7.61 | 5.48 | --- |
| 21 | 4.79 | 37.20 | 16.78 | 26.34 | 26.25 | 26.66 | 13.01 | 9.19 | 9.02 | 9.23 | 5.48 | --- |
| 22 | 4.74 | 35.37 | 18.07 | 26.27 | 26.55 | 26.16 | 12.37 | 9.16 | 9.02 | 10.83 | 5.46 | --- |
| 23 | 4.70 | 33.74 | 18.07 | 26.27 | 26.83 | 25.42 | 11.83 | 9.20 | 9.05 | 11.60 | 5.60 | --- |
| 24 | 4.67 | 32.39 | 17.39 | 26.22 | 26.96 | 24.32 | 11.27 | 9.17 | 9.03 | 10.60 | 5.94 | --- |
| 25 | 4.65 | 31.38 | 16.53 | 26.07 | 26.77 | 24.20 | 11.08 | 9.18 | 9.06 | 9.22 | 6.10 | --- |
| 26 | 4.71 | 30.46 | 16.34 | 25.78 | 26.30 | 26.71 | 11.03 | 9.27 | 9.05 | 8.28 | 5.89 | 5.29 |
| 27 | 4.73 | 29.54 | 25.01 | 25.53 | 25.38 | 27.37 | 10.83 | 9.19 | 9.04 | 7.40 | 5.77 | 5.23 |
| 28 | 4.72 | 28.75 | 28.87 | 25.10 | 23.94 | 27.56 | 10.49 | 9.21 | 9.05 | 7.31 | --- | 5.18 |
| 29 | 4.79 | 27.73 | 30.43 | 24.49 | 22.43 | 27.70 | 10.12 | 9.21 | 9.02 | 6.88 | --- | 5.14 |
| 30 | 4.83 | 26.30 | 32.26 | 23.84 | --- | 28.54 | 9.90 | 9.21 | 8.99 | 8.23 | --- | 5.13 |
| 31 | 4.84 | --- | 33.48 | 23.04 | --- | 30.26 | --- | 9.18 | --- | 9.33 | --- | --- |
| MAX | 5.17 | 40.67 | 33.48 | 33.97 | 26.96 | 30.26 | 34.12 | 9.70 | 9.19 | 11.60 | 9.21 | --- |
| MIN | 4.65 | 4.80 | 9.81 | 21.73 | 17.90 | 19.50 | 9.90 | 9.03 | 8.99 | 6.18 | 5.42 | 5.13 |

## 07373000 BIG CREEK AT POLLOCK, LA
(Hydrologic bench-mark station)

LOCATION.--Lat 31°32'10", long 92°24'30", in SW 1/4 SE 1/4 sec.31, T.7 N., R.1 E., Grant Parish, Hydrologic Unit 08040304, near right bank on downstream side of bridge on U.S. Highway 165, 0.5 mi upstream from Sugar Branch, 0.8 mi upstream from water-supply diversion dam, 0.8 mi north of Pollock, and 1.3 mi downstream from Dyson Creek.

DRAINAGE AREA.--51 $mi^2$, approximately.

### WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1942 to current year.

REVISED RECORDS.--WDR LA 75-1: 1958(M), 1966(M).

GAGE.--Duplex water-stage recorder (rain gage and water stage combination), concrete control since July 16, 1964. Datum of gage is 76.69 ft above National Geodetic Vertical Datum of 1929. Prior to Feb. 25, 1942, non-recording gage, and Feb. 25, 1942 to June 21, 1955, water-stage recorder at site 0.3 mi downstream at same datum; June 21, 1955 to May 18, 1964, water-stage recorder at present site and datum.

REMARKS.--Estimated daily discharges. Records good. Recording rain gage at present site.

AVERAGE DISCHARGE.--46 years, 62.7 $ft^3/s$, 16.70 in/yr, 45,430 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 23,500 $ft^3/s$ Apr. 29, 1953, gage height, 18.03 ft; minimum, 3.7 $ft^3/s$ Sept. 29, 1956, gage height, 1.08 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 950 $ft^3/s$ and maximum (*):

| Date | Time | Discharge ($ft^3/s$) | Gage height (ft) | Date | Time | Discharge ($ft^3/s$) | Gage height (ft) |
|---|---|---|---|---|---|---|---|
| Nov. 16 | 1430 | *15,400 | *18.58 | No other peak greater than base discharge. | | | |

Minimum discharge, 12 $ft^3/s$ Oct. 8, 22, gage height, 2.82 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18 | 16 | 45 | 96 | 60 | 46 | 179 | 34 | 21 | 16 | 14 | 17 |
| 2 | 16 | 16 | 40 | 148 | 70 | 55 | 384 | 32 | 21 | 15 | 14 | 17 |
| 3 | 15 | 16 | 39 | 80 | 54 | 516 | 173 | 31 | 22 | 14 | 14 | 136 |
| 4 | 14 | 16 | 38 | 67 | 55 | 188 | 98 | 31 | 25 | 24 | 16 | 256 |
| 5 | 14 | 15 | 37 | 60 | 56 | 85 | 83 | 30 | 23 | 49 | 17 | 45 |
| 6 | 14 | 14 | 50 | 55 | 56 | 69 | 89 | 29 | 21 | 60 | 15 | 31 |
| 7 | 13 | 14 | 129 | 63 | 46 | 63 | 74 | 27 | 21 | 63 | 14 | 27 |
| 8 | 13 | 17 | 80 | 141 | 45 | 108 | 66 | 27 | 20 | 29 | 14 | 24 |
| 9 | 13 | 133 | 56 | 72 | 44 | 318 | 60 | 27 | 20 | 23 | 14 | 21 |
| 10 | 14 | 45 | 48 | 58 | 41 | 144 | 58 | 27 | 18 | 26 | 25 | 45 |
| 11 | 14 | 26 | 45 | 56 | 45 | 89 | 55 | 27 | 18 | 23 | 45 | 44 |
| 12 | 14 | 22 | 41 | 56 | 42 | 75 | 55 | 25 | 17 | 21 | 30 | 28 |
| 13 | 13 | 21 | 39 | 60 | 40 | 66 | 54 | 25 | 17 | 19 | 20 | 25 |
| 14 | 13 | 21 | 38 | 55 | 41 | 56 | 53 | 24 | 16 | 18 | 18 | 31 |
| 15 | 14 | 50 | 38 | 51 | 109 | 54 | 50 | 23 | 17 | 17 | 17 | 25 |
| 16 | 14 | 8610 | 37 | 51 | 65 | 51 | 48 | 23 | 16 | 18 | 16 | e24 |
| 17 | 13 | 1740 | 35 | 59 | 50 | 50 | 47 | 23 | 16 | 18 | 16 | e23 |
| 18 | 13 | 149 | 33 | 56 | 204 | 260 | 65 | 22 | 16 | 18 | 31 | e22 |
| 19 | 14 | 77 | 60 | 162 | 416 | 141 | 56 | 21 | 17 | 19 | 59 | 21 |
| 20 | 13 | 59 | 255 | 311 | 134 | 72 | 48 | 20 | 17 | 20 | 25 | 20 |
| 21 | 13 | 50 | 226 | 83 | 80 | 70 | 45 | 42 | 17 | 20 | 21 | 19 |
| 22 | 13 | 46 | 124 | 65 | 65 | 59 | 40 | 41 | 16 | 19 | 38 | 19 |
| 23 | 14 | 41 | 70 | 59 | e58 | 56 | 39 | 29 | 16 | 18 | 25 | 18 |
| 24 | 14 | 40 | 59 | 56 | e56 | 54 | 38 | 25 | 17 | 16 | 34 | 18 |
| 25 | 14 | 51 | 54 | 53 | e54 | 335 | 35 | 24 | 21 | 15 | 41 | 17 |
| 26 | 25 | 53 | 159 | 48 | e52 | 266 | 35 | 23 | 20 | 16 | 25 | 17 |
| 27 | 32 | 147 | 667 | 47 | e49 | 91 | 34 | 23 | 18 | 16 | 20 | 16 |
| 28 | 20 | 117 | 656 | 46 | e47 | 72 | 33 | 22 | 17 | 16 | 19 | 16 |
| 29 | 17 | 62 | 183 | 48 | 48 | 116 | 34 | 21 | 17 | 15 | 18 | 16 |
| 30 | 16 | 50 | 91 | 48 | --- | 412 | 35 | 21 | 16 | 14 | 18 | 19 |
| 31 | 16 | --- | 77 | 46 | --- | 406 | --- | 20 | --- | 15 | 17 | --- |
| TOTAL | 473 | 11734 | 3549 | 2356 | 2182 | 4443 | 2163 | 819 | 554 | 690 | 710 | 1057 |
| MEAN | 15.3 | 391 | 114 | 76.0 | 75.2 | 143 | 72.1 | 26.4 | 18.5 | 22.3 | 22.9 | 35.2 |
| MAX | 32 | 8610 | 667 | 311 | 416 | 516 | 384 | 42 | 25 | 63 | 59 | 256 |
| MIN | 13 | 14 | 33 | 46 | 40 | 46 | 33 | 20 | 16 | 14 | 14 | 16 |
| AC-FT | 938 | 23270 | 7040 | 4670 | 4330 | 8810 | 4290 | 1620 | 1100 | 1370 | 1410 | 2100 |
| CFSM | .30 | 7.67 | 2.24 | 1.49 | 1.48 | 2.81 | 1.41 | .52 | .36 | .44 | .45 | .69 |
| IN. | .35 | 8.56 | 2.59 | 1.72 | 1.59 | 3.24 | 1.58 | .60 | .40 | .50 | .52 | .77 |
| (+) | 1.27 | 18.34 | 6.19 | 1.82 | 2.77 | 7.68 | 1.32 | 1.87 | .68 | 6.86 | 1.86 | 5.16 |

CAL YR 1987 TOTAL 33309 MEAN 91.3 MAX 8610 MIN 13 AC-FT 66070 CFSM 1.79 IN. 24.30
WTR YR 1988 TOTAL 30730 MEAN 84.0 MAX 8610 MIN 13 AC-FT 60950 CFSM 1.65 IN. 22.41

+ Precipitation, in inches, during month at rain gage at station: total for calendar year 1987, 64.50 inches; total for water year 1988, 55.82 inches.
e Estimated.

## 07373000 BIG CREEK AT POLLOCK, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.96 | 2.92 | 3.28 | 3.63 | 3.41 | 3.29 | 4.04 | 3.17 | 2.99 | 2.90 | 2.85 | 2.93 |
| 2 | 2.91 | 2.92 | 3.24 | 3.88 | 3.48 | 3.37 | 5.44 | 3.15 | 2.99 | 2.88 | 2.85 | 2.93 |
| 3 | 2.89 | 2.91 | 3.23 | 3.54 | 3.36 | 6.45 | 4.01 | 3.14 | 3.01 | 2.87 | 2.85 | 3.81 |
| 4 | 2.87 | 2.91 | 3.21 | 3.46 | 3.37 | 4.10 | 3.64 | 3.13 | 3.05 | 3.04 | 2.90 | 4.64 |
| 5 | 2.86 | 2.90 | 3.20 | 3.41 | 3.38 | 3.57 | 3.56 | 3.12 | 3.03 | 3.32 | 2.93 | 3.28 |
| 6 | 2.86 | 2.88 | 3.33 | 3.37 | 3.33 | 3.47 | 3.59 | 3.11 | 3.00 | 3.41 | 2.89 | 3.14 |
| 7 | 2.85 | 2.87 | 3.78 | 3.43 | 3.29 | 3.43 | 3.50 | 3.09 | 2.99 | 3.43 | 2.86 | 3.08 |
| 8 | 2.85 | 2.95 | 3.54 | 3.84 | 3.28 | 3.66 | 3.45 | 3.09 | 2.98 | 3.11 | 2.85 | 3.04 |
| 9 | 2.85 | 3.84 | 3.38 | 3.49 | 3.27 | 4.91 | 3.41 | 3.08 | 2.97 | 3.02 | 2.85 | 3.00 |
| 10 | 2.86 | 3.33 | 3.31 | 3.39 | 3.25 | 3.86 | 3.39 | 3.09 | 2.95 | 3.07 | 3.06 | 3.28 |
| 11 | 2.86 | 3.11 | 3.28 | 3.38 | 3.28 | 3.59 | 3.37 | 3.08 | 2.94 | 3.03 | 3.28 | 3.27 |
| 12 | 2.86 | 3.04 | 3.25 | 3.38 | 3.26 | 3.51 | 3.37 | 3.06 | 2.93 | 2.99 | 3.12 | 3.10 |
| 13 | 2.85 | 3.02 | 3.23 | 3.41 | 3.24 | 3.45 | 3.36 | 3.06 | 2.92 | 2.96 | 2.98 | 3.06 |
| 14 | 2.85 | 3.02 | 3.22 | 3.37 | 3.25 | 3.38 | 3.35 | 3.04 | 2.91 | 2.94 | 2.95 | 3.14 |
| 15 | 2.87 | 3.19 | 3.21 | 3.34 | 3.69 | 3.36 | 3.33 | 3.03 | 2.92 | 2.93 | 2.92 | 3.05 |
| 16 | 2.86 | 14.60 | 3.20 | 3.34 | 3.44 | 3.34 | 3.31 | 3.03 | 2.91 | 2.95 | 2.91 | --- |
| 17 | 2.85 | 9.58 | 3.18 | 3.40 | 3.33 | 3.33 | 3.30 | 3.02 | 2.90 | 2.94 | 2.91 | --- |
| 18 | 2.85 | 3.88 | 3.16 | 3.33 | 4.32 | 4.51 | 3.44 | 3.01 | 2.91 | 2.95 | 3.14 | --- |
| 19 | 2.86 | 3.52 | 3.35 | 4.00 | 5.68 | 3.84 | 3.38 | 3.00 | 2.92 | 2.96 | 3.40 | 3.00 |
| 20 | 2.85 | 3.40 | 4.44 | 4.87 | 3.80 | 3.49 | 3.31 | 2.98 | 2.92 | 2.98 | 3.05 | 2.98 |
| 21 | 2.85 | 3.33 | 4.26 | 3.56 | 3.54 | 3.48 | 3.28 | 3.26 | 2.93 | 2.97 | 3.00 | 2.96 |
| 22 | 2.85 | 3.29 | 3.76 | 3.44 | 3.44 | 3.40 | 3.24 | 3.25 | 2.91 | 2.96 | 3.21 | 2.96 |
| 23 | 2.86 | 3.25 | 3.48 | 3.40 | 3.39 | 3.38 | 3.23 | 3.11 | 2.90 | 2.94 | 3.06 | 2.95 |
| 24 | 2.87 | 3.24 | 3.40 | 3.38 | --- | 3.36 | 3.22 | 3.05 | 2.92 | 2.90 | 3.17 | 2.94 |
| 25 | 2.88 | 3.34 | 3.36 | 3.35 | --- | 5.18 | 3.18 | 3.04 | 3.00 | 2.88 | 3.25 | 2.93 |
| 26 | 3.10 | 3.35 | 4.02 | 3.31 | --- | 4.94 | 3.18 | 3.03 | 2.97 | 2.90 | 3.05 | 2.92 |
| 27 | 3.20 | 3.86 | 7.35 | 3.30 | --- | 3.60 | 3.17 | 3.02 | 2.94 | 2.90 | 2.98 | 2.91 |
| 28 | 3.00 | 3.73 | 7.24 | 3.29 | --- | 3.49 | 3.16 | 3.01 | 2.93 | 2.90 | 2.96 | 2.90 |
| 29 | 2.94 | 3.42 | 4.06 | 3.31 | 3.31 | 3.71 | 3.17 | 3.00 | 2.93 | 2.89 | 2.94 | 2.90 |
| 30 | 2.93 | 3.33 | 3.60 | 3.31 | --- | 5.66 | 3.18 | 2.99 | 2.91 | 2.87 | 2.95 | 2.96 |
| 31 | 2.92 | --- | 3.52 | 3.29 | --- | 5.61 | --- | 2.98 | --- | 2.88 | 2.93 | --- |
| MAX | 3.20 | 14.60 | 7.35 | 4.87 | 5.68 | 6.45 | 5.44 | 3.26 | 3.05 | 3.43 | 3.40 | --- |
| MIN | 2.85 | 2.87 | 3.16 | 3.29 | --- | 3.29 | 3.16 | 2.98 | 2.90 | 2.87 | 2.85 | --- |

## 07373000 BIG CREEK AT POLLOCK, LA--Continued

### WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1943, 1959, 1965 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1964 to September 1973, October 1974 to September 1976.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 31.0°C July 30 to Aug. 1, 1976; minimum, 2.0°C Jan. 15, 1969, Jan. 10, 1976.

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | STREAM-FLOW, INSTANTANEOUS (CFS) | SPECIFIC CONDUCTANCE (US/CM) | PH (STANDARD UNITS) | TEMPERATURE WATER (DEG C) | COLOR (PLATINUM-COBALT UNITS) | TURBIDITY (NTU) | OXYGEN, DISSOLVED (MG/L) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) | COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) | STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 29... | 1130 | 17 | 44 | 6.70 | 13.5 | 40 | 4.8 | 9.1 | 1.0 | K26 | 300 |
| JAN 1988 | | | | | | | | | | | |
| 14... | 0900 | 55 | 37 | 6.72 | 5.5 | 40 | 4.3 | 11.8 | 1.3 | K20 | 88 |
| APR | | | | | | | | | | | |
| 29... | 1000 | 33 | 38 | 6.92 | 17.0 | 40 | 4.5 | 11.1 | 2.7 | K16 | 220 |
| JUL | | | | | | | | | | | |
| 15... | 1130 | 17 | 46 | 7.00 | 26.5 | 30 | 6.7 | 6.8 | 0.4 | K40 | K30 |

| DATE | HARDNESS TOTAL (MG/L AS CACO3) | CALCIUM DISSOLVED (MG/L AS CA) | MAGNESIUM, DISSOLVED (MG/L AS MG) | SODIUM, DISSOLVED (MG/L AS NA) | POTASSIUM, DISSOLVED (MG/L AS K) | ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DISSOLVED (MG/L AS SO4) | CHLORIDE, DISSOLVED (MG/L AS CL) | FLUORIDE, DISSOLVED (MG/L AS F) | SILICA, DISSOLVED (MG/L AS SIO2) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 29... | 9 | 2.0 | 0.87 | 4.3 | 1.8 | 14 | 3.8 | 3.9 | 0.1 | 19 |
| JAN 1988 | | | | | | | | | | |
| 14... | 7 | 1.6 | 0.74 | 4.0 | 1.0 | 10 | 4.7 | 4.3 | 0.1 | 17 |
| APR | | | | | | | | | | |
| 29... | 7 | 1.6 | 0.73 | 4.1 | 1.1 | 13 | 5.4 | 4.3 | 0.1 | 19 |
| JUL | | | | | | | | | | |
| 15... | 10 | 2.3 | 0.96 | 4.6 | 1.3 | 10 | 3.8 | 4.4 | 0.2 | 21 |

| DATE | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) | NITROGEN, NITRITE DISSOLVED (MG/L AS N) | NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) | NITROGEN, AMMONIA TOTAL (MG/L AS N) | NITROGEN, AMMONIA DISSOLVED (MG/L AS N) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) | PHOSPHOROUS TOTAL (MG/L AS P) | PHOSPHOROUS DISSOLVED (MG/L AS P) | PHOSPHOROUS ORTHO, DISSOLVED (MG/L AS P) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 29... | 53 | 43 | <0.01 | <0.10 | 0.02 | 0.03 | <0.2 | 0.02 | 0.01 | <0.01 |
| JAN 1988 | | | | | | | | | | |
| 14... | 43 | 39 | <0.01 | <0.10 | <0.01 | 0.02 | <0.2 | 0.02 | <0.01 | <0.01 |
| APR | | | | | | | | | | |
| 29... | 45 | 43 | 0.01 | <0.10 | 0.02 | 0.03 | 0.3 | 0.02 | 0.01 | <0.01 |
| JUL | | | | | | | | | | |
| 15... | 50 | 47 | <0.01 | <0.10 | <0.01 | <0.01 | 0.3 | 0.03 | 0.01 | <0.01 |

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal colony count).

## 07373000 BIG CREEK AT POLLOCK, LA--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | ALUMINUM, DISSOLVED (UG/L AS AL) | ARSENIC DISSOLVED (UG/L AS AS) | BARIUM, DISSOLVED (UG/L AS BA) | BERYLLIUM, DISSOLVED (UG/L AS BE) | CADMIUM DISSOLVED (UG/L AS CD) | CHROMIUM, DISSOLVED (UG/L AS CR) | COBALT, DISSOLVED (UG/L AS CO) | COPPER, DISSOLVED (UG/L AS CU) | IRON, DISSOLVED (UG/L AS FE) | LEAD, DISSOLVED (UG/L AS PB) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 29... | 60 | <1 | 22 | <0.5 | <1 | <1 | <3 | 1 | 190 | <5 |
| JAN 1988 | | | | | | | | | | |
| 14... | 30 | <1 | 24 | <0.5 | <1 | <1 | <3 | 3 | 110 | <5 |
| APR | | | | | | | | | | |
| 29... | 20 | <1 | 25 | <0.5 | <1 | <1 | <3 | <1 | 180 | <5 |
| JUL | | | | | | | | | | |
| 15... | 20 | 1 | 35 | <0.5 | <1 | <1 | <3 | 1 | 210 | <5 |

| DATE | LITHIUM DISSOLVED (UG/L AS LI) | MANGANESE, DISSOLVED (UG/L AS MN) | MERCURY DISSOLVED (UG/L AS HG) | MOLYBDENUM, DISSOLVED (UG/L AS MO) | NICKEL, DISSOLVED (UG/L AS NI) | SELENIUM, DISSOLVED (UG/L AS SE) | SILVER, DISSOLVED (UG/L AS AG) | STRONTIUM, DISSOLVED (UG/L AS SR) | VANADIUM, DISSOLVED (UG/L AS V) | ZINC, DISSOLVED (UG/L AS ZN) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 29... | <4 | 14 | <0.1 | <10 | <1 | <1 | <1 | 27 | <6 | <3 |
| JAN 1988 | | | | | | | | | | |
| 14... | <4 | 66 | <0.1 | <10 | 2 | <1 | <1 | 13 | <6 | 4 |
| APR | | | | | | | | | | |
| 29... | <4 | 55 | <0.1 | <10 | <1 | <1 | <1 | 17 | <6 | <3 |
| JUL | | | | | | | | | | |
| 15... | <4 | 100 | <0.1 | <10 | <1 | <1 | <1 | 22 | <6 | <3 |

| DATE | GROSS ALPHA, DISSOLVED (UG/L AS U-NAT) | GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT) | GROSS BETA, DISSOLVED (PCI/L AS CS-137) | GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137) | GROSS BETA, DISSOLVED (PCI/L AS SR/YT-90) | GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90) | RADIUM 226, DISSOLVED, RADON METHOD (PCI/L) | URANIUM NATURAL DISSOLVED (UG/L AS U) |
|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | |
| 29... | <0.4 | 0.4 | 1.7 | 0.6 | 1.6 | 0.6 | 0.03 | 0.03 |
| APR | | | | | | | | |
| 29... | <0.4 | 0.5 | 1.1 | 0.8 | 1.1 | 0.8 | 0.05 | 0.20 |

| DATE | SEDIMENT, SUSPENDED (MG/L) | SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM |
|---|---|---|---|
| OCT 1987 | | | |
| 29... | 8 | 0.37 | 87 |
| JAN 1988 | | | |
| 14... | 13 | 1.9 | 69 |
| APR | | | |
| 29... | 8 | 0.71 | 87 |
| JUL | | | |
| 15... | 9 | 0.41 | 100 |

< Actual value is known to be less than the value shown.

## 07373250 HEMPHILL CREEK AT NEBO, LA

LOCATION.--Lat 31°35'04", long 92°07'55", in NW 1/4 NE 1/4 in lot 39, T.7 N., R.3 E., La Salle Parish, Hydrologic Unit 08040304, at left bank on downstream side of bridge on State Highway 460, 0.6 mi east of Nebo, 1.4 mi upstream from Mason Creek, and 2.2 mi downstream from Mill Creek.

DRAINAGE AREA.--35.3 mi².

PERIOD OF RECORD.--Occasional low-flow and miscellaneous measurements, water years 1956-63, 1966-67, 1970. August 1978 to current year.

REVISED RECORDS.--WRD LA-82-1: 1979-81(M).

GAGE.--Water-stage recorder. Datum of gage is 46.58 ft above National Geodetic Vertical Datum of 1929. August 1978 to July 27, 1988, water-stage recorder at site 300 ft upstream at same datum.

REMARKS.--Estimated daily discharges. Records fair. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--10 years, 60.9 ft³/s, 23.43 in/yr, 44,120 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,800 ft³/s Nov. 16, 1987, gage height, 14.93 ft; minimum, 8.2 ft³/s part of each day Aug. 4, 5, 6, 11, 12, 13, 14, 1985; minimum gage height, 1.74 ft Aug. 9, 1988.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 2,500 ft³/s and maximum (*):

| Date | Time | Discharge (ft³/s) | Gage height (ft) | Date | Time | Discharge (ft³/s) | Gage height (ft) |
|---|---|---|---|---|---|---|---|
| Nov. 16 | 1100 | *15,800 | *14.93 | No other peak greater than base discharge. | | | |

Minimum discharge, 15 ft³/s Aug. 9, gage height, 1.74 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 19 | 18 | 57 | e90 | e55 | 31 | 81 | 27 | 19 | 16 | 19 | 17 |
| 2 | 19 | 18 | 55 | e135 | 52 | 39 | 374 | 27 | 19 | 16 | 19 | 20 |
| 3 | 19 | 18 | 54 | e70 | 36 | 137 | 68 | 27 | 22 | 34 | 19 | 170 |
| 4 | 19 | 18 | 53 | e60 | 34 | 41 | 53 | 27 | 21 | 59 | 19 | 56 |
| 5 | 19 | 18 | 51 | e50 | 36 | 34 | 48 | 27 | 20 | 41 | 20 | 25 |
| 6 | 19 | 18 | 51 | e40 | 32 | 32 | 50 | 27 | 20 | 32 | 18 | 21 |
| 7 | 19 | 19 | 65 | e55 | 29 | 31 | 44 | 27 | 20 | 32 | 18 | 19 |
| 8 | 19 | 22 | 55 | e120 | 28 | 224 | 41 | 26 | 20 | 24 | 17 | 18 |
| 9 | 19 | 46 | 51 | e65 | 27 | 147 | 40 | 26 | 19 | 22 | 18 | 18 |
| 10 | 19 | 31 | 49 | e45 | 27 | 50 | 38 | 25 | 19 | 31 | 30 | 64 |
| 11 | 19 | 20 | 48 | e36 | 33 | 38 | 38 | 25 | 18 | 24 | 24 | 129 |
| 12 | 19 | 19 | e47 | 36 | 29 | 35 | 37 | 25 | 18 | 22 | 19 | 32 |
| 13 | 19 | 19 | e45 | 39 | 27 | 32 | 35 | 25 | 18 | 21 | 18 | 32 |
| 14 | 19 | 19 | e43 | e36 | 35 | 31 | 34 | 25 | 18 | 20 | 18 | 45 |
| 15 | 19 | 20 | e43 | e35 | 58 | 30 | 34 | 24 | 18 | 19 | 17 | 28 |
| 16 | 19 | 8630 | e42 | e34 | 32 | 29 | 33 | 24 | 18 | 19 | 17 | 26 |
| 17 | 19 | 401 | e41 | e40 | 29 | 30 | 33 | 24 | 24 | 19 | 20 | 23 |
| 18 | 19 | 154 | e40 | e38 | 489 | 102 | 42 | 24 | 22 | 96 | 20 | 21 |
| 19 | 19 | 113 | e50 | e150 | 97 | 43 | 34 | 24 | 20 | 41 | 19 | 20 |
| 20 | 19 | e100 | e240 | e275 | 53 | 35 | 33 | 23 | 20 | 28 | 18 | 19 |
| 21 | 21 | e85 | e220 | e75 | 43 | 33 | 33 | 44 | 19 | 23 | 18 | 19 |
| 22 | 19 | e75 | e110 | e50 | 40 | 32 | 32 | 30 | 18 | 21 | 19 | 19 |
| 23 | 19 | e70 | e65 | e45 | 38 | 31 | 32 | 24 | 17 | 20 | 18 | 19 |
| 24 | 19 | 67 | e50 | e40 | 37 | 30 | 31 | 23 | 18 | 20 | 27 | 18 |
| 25 | 19 | 66 | e48 | e48 | 35 | 423 | 30 | 23 | 19 | 21 | 22 | 18 |
| 26 | 30 | 64 | e140 | e45 | 34 | 59 | 29 | 22 | 18 | 23 | 18 | 18 |
| 27 | 21 | 97 | e650 | e43 | 33 | 42 | 28 | 21 | 18 | e20 | 17 | 17 |
| 28 | 20 | 94 | e630 | e42 | 33 | 38 | 28 | 21 | 18 | 21 | 17 | 18 |
| 29 | 18 | 67 | e175 | e43 | 32 | 154 | 28 | 21 | 17 | 20 | 18 | 18 |
| 30 | 18 | 61 | e80 | e42 | --- | 315 | 28 | 20 | 17 | 19 | 17 | 54 |
| 31 | 18 | --- | e70 | e40 | --- | 423 | --- | 20 | --- | 19 | 16 | --- |
| TOTAL | 602 | 10467 | 3418 | 1962 | 1563 | 2751 | 1489 | 778 | 572 | 843 | 594 | 1021 |
| MEAN | 19.4 | 349 | 110 | 63.3 | 53.9 | 88.7 | 49.6 | 25.1 | 19.1 | 27.2 | 19.2 | 34.0 |
| MAX | 30 | 8630 | 650 | 275 | 489 | 423 | 374 | 44 | 24 | 96 | 30 | 170 |
| MIN | 18 | 18 | 40 | 34 | 27 | 29 | 28 | 20 | 17 | 16 | 16 | 17 |
| AC-FT | 1190 | 20760 | 6780 | 3890 | 3100 | 5460 | 2950 | 1540 | 1130 | 1670 | 1180 | 2030 |
| CFSM | .55 | 9.88 | 3.12 | 1.79 | 1.53 | 2.51 | 1.41 | .71 | .54 | .77 | .54 | .96 |
| IN. | .63 | 11.03 | 3.60 | 2.07 | 1.65 | 2.90 | 1.57 | .82 | .60 | .89 | .63 | 1.08 |

CAL YR 1987 TOTAL 29935 MEAN 82.0 MAX 8630 MIN 17 AC-FT 59380 CFSM 2.32 IN. 31.55
WTR YR 1988 TOTAL 26060 MEAN 71.2 MAX 8630 MIN 16 AC-FT 51690 CFSM 2.02 IN. 27.46

e Estimated.

## 07373250 HEMPHILL CREEK AT NEBO, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.50 | 2.47 | 2.97 | --- | --- | 2.41 | 3.14 | 2.28 | 2.12 | 2.05 | 1.79 | 1.76 |
| 2 | 2.49 | 2.47 | 2.94 | --- | 2.90 | 2.52 | 4.53 | 2.28 | 2.11 | 2.05 | 1.78 | 1.81 |
| 3 | 2.48 | 2.47 | 2.92 | --- | 2.64 | 3.55 | 2.97 | 2.28 | 2.19 | 2.34 | 1.79 | 2.97 |
| 4 | 2.49 | 2.47 | 2.90 | --- | 2.61 | 2.59 | 2.73 | 2.28 | 2.17 | 2.74 | 1.80 | 2.27 |
| 5 | 2.49 | 2.46 | 2.88 | --- | 2.64 | 2.46 | 2.66 | 2.28 | 2.15 | 2.55 | 1.80 | 1.87 |
| 6 | 2.50 | 2.47 | 2.88 | --- | 2.56 | 2.42 | 2.68 | 2.28 | 2.15 | 2.40 | 1.78 | 1.82 |
| 7 | 2.49 | 2.48 | 3.07 | --- | 2.51 | 2.39 | 2.59 | 2.27 | 2.14 | 2.38 | 1.77 | 1.79 |
| 8 | 2.49 | 2.54 | 2.94 | --- | 2.49 | 3.53 | 2.55 | 2.26 | 2.13 | 2.23 | 1.77 | 1.78 |
| 9 | 2.49 | 2.96 | 2.88 | --- | 2.47 | 3.63 | 2.52 | 2.25 | 2.12 | 2.20 | 1.78 | 1.77 |
| 10 | 2.49 | 2.71 | 2.86 | --- | 2.46 | 2.73 | 2.49 | 2.23 | 2.11 | 2.37 | 1.95 | 2.24 |
| 11 | 2.49 | 2.52 | 2.84 | --- | 2.58 | 2.53 | 2.49 | 2.22 | 2.10 | 2.23 | 1.85 | 2.90 |
| 12 | 2.49 | 2.50 | --- | 2.64 | 2.50 | 2.48 | 2.47 | 2.23 | 2.10 | 2.18 | 1.80 | 1.96 |
| 13 | 2.49 | 2.49 | --- | 2.69 | 2.47 | 2.42 | 2.44 | 2.23 | 2.09 | 2.16 | 1.78 | 1.96 |
| 14 | 2.49 | 2.49 | --- | --- | 2.58 | 2.39 | 2.43 | 2.22 | 2.09 | 2.14 | 1.78 | 2.14 |
| 15 | 2.49 | 2.51 | --- | --- | 2.96 | 2.38 | 2.41 | 2.22 | 2.08 | 2.13 | 1.77 | 1.91 |
| 16 | 2.49 | 11.83 | --- | --- | 2.57 | 2.37 | 2.40 | 2.20 | 2.08 | 2.12 | 1.76 | 1.89 |
| 17 | 2.49 | 4.94 | --- | --- | 2.51 | 2.37 | 2.39 | 2.21 | 2.22 | 2.12 | 1.81 | 1.84 |
| 18 | 2.49 | 3.90 | --- | --- | 4.62 | 3.37 | 2.55 | 2.21 | 2.19 | 2.84 | 1.81 | 1.82 |
| 19 | 2.48 | 3.58 | --- | --- | 3.33 | 2.61 | 2.42 | 2.20 | 2.15 | 2.54 | 1.79 | 1.81 |
| 20 | 2.48 | --- | --- | --- | 2.78 | 2.47 | 2.40 | 2.20 | 2.13 | 2.32 | 1.78 | 1.79 |
| 21 | 2.53 | --- | --- | --- | 2.62 | 2.44 | 2.39 | 2.55 | 2.11 | 2.21 | 1.78 | 1.80 |
| 22 | 2.48 | --- | --- | --- | 2.56 | 2.42 | 2.38 | 2.35 | 2.09 | 2.17 | 1.80 | 1.79 |
| 23 | 2.48 | 3.13 | --- | --- | 2.53 | 2.39 | 2.37 | 2.23 | 2.08 | 2.14 | 1.77 | 1.78 |
| 24 | 2.48 | 3.10 | --- | --- | 2.50 | 2.38 | 2.35 | 2.20 | 2.08 | 2.14 | 1.89 | 1.78 |
| 25 | 2.49 | 3.09 | --- | --- | 2.47 | 4.33 | 2.33 | 2.21 | 2.12 | 2.17 | 1.83 | 1.78 |
| 26 | 2.69 | 3.06 | --- | --- | 2.45 | 2.82 | 2.31 | 2.19 | 2.10 | 2.21 | 1.77 | 1.78 |
| 27 | 2.52 | 3.36 | --- | --- | 2.44 | 2.55 | 2.30 | 2.17 | 2.08 | --- | 1.76 | 1.77 |
| 28 | 2.52 | 3.39 | --- | --- | 2.44 | 2.48 | 2.29 | 2.16 | 2.08 | 1.82 | 1.76 | 1.77 |
| 29 | 2.46 | 3.09 | --- | --- | 2.43 | 3.12 | 2.29 | 2.16 | 2.07 | 1.80 | 1.77 | 1.78 |
| 30 | 2.46 | 3.02 | --- | --- | --- | 4.60 | 2.29 | 2.15 | 2.06 | 1.80 | 1.76 | 2.19 |
| 31 | 2.47 | --- | --- | --- | --- | 4.88 | --- | 2.14 | --- | 1.79 | 1.75 | --- |
| MAX | 2.69 | 11.83 | --- | --- | 4.62 | 4.88 | 4.53 | 2.55 | 2.22 | 2.84 | 1.95 | 2.97 |
| MIN | 2.46 | 2.46 | --- | --- | 2.43 | 2.37 | 2.29 | 2.14 | 2.06 | 1.79 | 1.75 | 1.76 |

## 07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°45'30", long 91°23'45", in lot 31, T.3 S., R.11 E., Pointe Coupee-West Feliciana Parish line, Hydrologic Unit 08070100, at State Highway 10 Ferry Crossing, 2.0 mi southwest of St. Francisville, and at mile 266.0.

DRAINAGE AREA.--1,125,300 $mi^2$, contributing.

PERIOD OF RECORD.--Water years 1954 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: August 1954 to September 1972, October 1974 to current year.
WATER TEMPERATURES: August 1954 to September 1972, October 1974 to current year.
SULFATE: October 1974 to September 1978.
CHLORIDE: October 1974 to current year.
DISSOLVED SOLIDS: October 1978 to current year.

REMARKS.--See records of daily discharge for Mississippi River at Tarbert Landing, MS (station 07295100). Corps of Engineers station 01139. Daily water temperature data unavailable for 1987 water year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 683 micromhos Oct. 16, 1955; minimum daily, 173 micromhos Apr. 15, 1955.
WATER TEMPERATURES: Maximum daily, 32.0°C July 24, 1983; minimum daily, 1.0°C Jan. 29, 30, 1961.
SULFATE: Maximum daily, 90 mg/L Oct. 14, 1957; minimum daily, 21 mg/L May 20, 1978.
CHLORIDE: Maximum daily, 63 mg/L July 5, 1977; minimum daily, 7.2 mg/L Nov. 2, 1984.
DISSOLVED SOLIDS: Maximum, 335 mg/L Nov. 1-10, 1987; minimum, 150 mg/L Dec.21-31, 1978.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 560 microsiemens Nov. 5; minimum daily 273 microsiemens Feb. 2.
CHLORIDE: Maximum daily, 40 mg/L Dec. 5; minimum daily, 12 mg/L Jan. 13.
DISSOLVED SOLIDS: Maximum, 335 mg/L Nov. 1-15; minimum, 174 mg/L Jan. 11-20.

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | DIS-CHARGE, IN CUBIC FEET PER SECOND | SPE-CIFIC CON-DUCT-ANCE (US/CM) | PH (STAND-ARD UNITS) | TEMPER-ATURE WATER (DEG C) | COLOR (PLAT-INUM-COBALT UNITS) | TUR-BID-ITY (NTU) | SETTLE-ABLE MATTER (ML/L/HR) | OXYGEN, DIS-SOLVED (MG/L) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) | OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) | COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | | |
| 20... | 1315 | 157000 | 517 | 7.90 | 18.5 | 10 | 20 | <1 | 9.3 | 1.5 | 54 | 210 |
| NOV | | | | | | | | | | | | |
| 17... | 1100 | 215000 | 556 | 7.88 | 15.0 | 5 | 32 | <1 | 8.6 | -- | 41 | 480 |
| DEC | | | | | | | | | | | | |
| 02... | 1030 | 347000 | 475 | 7.80 | 12.5 | 15 | 51 | <1 | 9.8 | 1.5 | 47 | 640 |
| JAN 1988 | | | | | | | | | | | | |
| 05... | 1145 | 961000 | 276 | 7.60 | 6.0 | 30 | 85 | <1 | 10.7 | 1.7 | <10 | 4600 |
| FEB | | | | | | | | | | | | |
| 22... | 1200 | 743000 | 296 | 7.83 | 7.5 | 20 | 84 | <1 | 11.8 | 2.3 | 19 | 1200 |
| MAR | | | | | | | | | | | | |
| 15... | 1030 | 696000 | 430 | 7.50 | 10.0 | 15 | 65 | <1 | 10.6 | -- | 100 | 600 |
| APR | | | | | | | | | | | | |
| 05... | 1100 | 548000 | 391 | 7.30 | 17.0 | 10 | 59 | <1 | 9.1 | 1.5 | 96 | K500 |
| MAY | | | | | | | | | | | | |
| 10... | 1050 | 355000 | 436 | 8.25 | 21.0 | 5 | 31 | <1 | 8.7 | 1.0 | 11 | 180 |
| JUN | | | | | | | | | | | | |
| 09... | 1345 | 201000 | 453 | 7.27 | 27.0 | 10 | 26 | <1 | 7.1 | 1.3 | 39 | K16 |
| JUL | | | | | | | | | | | | |
| 05... | 1100 | 111000 | 550 | 8.05 | 30.5 | 5 | 4.6 | <1 | 8.7 | 2.0 | 13 | K20 |
| AUG | | | | | | | | | | | | |
| 02... | 1130 | 162000 | 523 | 7.84 | 30.0 | 5 | 28 | <1 | 8.7 | 2.2 | 28 | K40 |
| SEP | | | | | | | | | | | | |
| 29... | 1500 | 136000 | 537 | 7.90 | 28.0 | 10 | 34 | <1 | 6.5 | 1.0 | 18 | K150 |

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal colony count).

## 07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) | STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) | HARDNESS TOTAL (MG/L AS CACO3) | CALCIUM DISSOLVED (MG/L AS CA) | MAGNESIUM, DISSOLVED (MG/L AS MG) | SODIUM, DISSOLVED (MG/L AS NA) | POTASSIUM, DISSOLVED (MG/L AS K) | ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DISSOLVED (MG/L AS SO4) | CHLORIDE, DISSOLVED (MG/L AS CL) | FLUORIDE, DISSOLVED (MG/L AS F) | SILICA, DISSOLVED (MG/L AS SIO2) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987<br>20... | K50 | K10 | 200 | 50 | 17 | 29 | 4.0 | 135 | 66 | 26 | 0.3 | 4.9 |
| NOV<br>17... | 52 | 130 | 210 | 52 | 19 | -- | -- | 140 | 66 | 38 | -- | -- |
| DEC<br>02... | 120 | 220 | 150 | 39 | 12 | 35 | 3.8 | 107 | 63 | 38 | 0.3 | 4.6 |
| JAN 1988<br>05... | 180 | 420 | 100 | 26 | 9.0 | -- | -- | 72 | 39 | 18 | -- | -- |
| FEB<br>22... | K170 | 280 | 130 | 34 | 9.7 | 17 | 2.3 | 91 | 42 | 17 | 0.2 | 6.7 |
| MAR<br>15... | 100 | K60 | 160 | 43 | 12 | -- | -- | 112 | 47 | 34 | -- | -- |
| APR<br>05... | 140 | 160 | 150 | 39 | 13 | 19 | 2.7 | 105 | 45 | 21 | 0.4 | 6.5 |
| MAY<br>10... | K8 | K10 | 170 | 44 | 14 | -- | -- | 123 | 50 | 25 | -- | -- |
| JUN<br>09... | K2 | 48 | 180 | 45 | 17 | 23 | 3.3 | 124 | 64 | 19 | 0.2 | 2.0 |
| JUL<br>05... | K2 | K10 | 210 | 54 | 19 | -- | -- | 165 | 77 | 23 | -- | -- |
| AUG<br>02... | K16 | K4 | 180 | 44 | 17 | 36 | 3.5 | 135 | 77 | 25 | 0.2 | 0.09 |
| SEP<br>29... | K40 | K28 | 190 | 43 | 19 | 36 | 4.6 | 137 | 78 | 32 | -- | -- |

| DATE | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) | RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) | NITROGEN, NITRITE TOTAL (MG/L AS N) | NITROGEN, NITRITE DISSOLVED (MG/L AS N) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) | NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) | NITROGEN, AMMONIA TOTAL (MG/L AS N) | NITROGEN, AMMONIA DISSOLVED (MG/L AS N) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) | NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) | PHOSPHOROUS TOTAL (MG/L AS P) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987<br>20... | 293 | 286 | 52 | <0.01 | <0.01 | 1.0 | 1.0 | 0.01 | 0.03 | 0.9 | 0.2 | 0.08 |
| NOV<br>17... | -- | -- | 156 | 0.02 | -- | 0.89 | -- | -- | -- | 0.88 | 0.40 | 0.26 |
| DEC<br>02... | 264 | 259 | 131 | <0.01 | <0.01 | -- | 0.61 | 0.01 | 0.02 | 0.8 | 0.5 | 0.14 |
| JAN 1988<br>05... | -- | -- | 412 | 0.03 | -- | 1.0 | -- | -- | -- | 1.4 | 0.43 | 0.52 |
| FEB<br>22... | 182 | 176 | 180 | 0.04 | 0.02 | 1.6 | 1.5 | 0.09 | 0.07 | 0.8 | 0.5 | 0.18 |
| MAR<br>15... | -- | -- | 157 | 0.04 | -- | 1.9 | -- | -- | -- | 1.1 | 0.55 | 0.37 |
| APR<br>05... | 220 | 214 | 205 | 0.04 | 0.03 | 1.5 | 1.5 | 0.06 | 0.03 | 0.9 | 0.7 | 0.18 |
| MAY<br>10... | -- | -- | 107 | 0.01 | -- | 1.3 | -- | -- | -- | 1.0 | 0.40 | 0.24 |
| JUN<br>09... | 260 | 253 | 45 | 0.02 | 0.02 | 0.60 | 0.66 | -- | 0.07 | 0.6 | 0.5 | 0.07 |
| JUL<br>05... | -- | -- | 38 | <0.01 | -- | -- | -- | -- | -- | 0.75 | <0.20 | 0.11 |
| AUG<br>02... | 297 | 276 | 68 | <0.01 | <0.01 | 0.20 | 0.23 | 0.04 | 0.04 | 0.8 | 0.7 | 0.07 |
| SEP<br>29... | -- | 295 | 75 | E0.01 | -- | E0.59 | -- | -- | -- | E0.93 | E0.45 | E0.25 |

< Actual value is known to be less than the value shown.
E Estimated.
K Results based on colony count outside the acceptable range (non-ideal colony count).

## 07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | PHOS-PHOROUS DIS-SOLVED (MG/L AS P) | PHOS-PHOROUS ORTHO, DIS-SOLVED (MG/L AS P) | ALUM-INUM, DIS-SOLVED (UG/L AS AL) | ARSENIC TOTAL (UG/L AS AS) | ARSENIC DIS-SOLVED (UG/L AS AS) | BARIUM, DIS-SOLVED (UG/L AS BA) | BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE) | BERYL-LIUM, DIS-SOLVED (UG/L AS BE) | CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) | CADMIUM DIS-SOLVED (UG/L AS CD) | CHRO-MIUM, DIS-SOLVED (UG/L AS CR) | CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT<br>20... | 0.07 | 0.05 | <10 | 3 | 2 | 80 | <10 | <0.5 | <1 | <1 | <1 | <1 |
| NOV<br>17... | -- | -- | -- | -- | 1 | -- | <10 | <10 | 1 | 2 | -- | <10 |
| DEC<br>02... | 0.08 | 0.05 | -- | 2 | -- | -- | <10 | -- | 1 | -- | -- | 7 |
| JAN<br>05... | -- | -- | -- | 4 | <1 | -- | <10 | <10 | 1 | 1 | -- | 10 |
| FEB<br>22... | 0.05 | 0.02 | 70 | 2 | 1 | 55 | <10 | <0.5 | 1 | 2 | <1 | 7 |
| MAR<br>15... | -- | -- | -- | <1 | <1 | -- | <10 | <10 | <1 | <1 | -- | <10 |
| APR<br>05... | 0.07 | 0.05 | 20 | 2 | <1 | 130 | <10 | <0.5 | 1 | <1 | <1 | 3 |
| MAY<br>10... | -- | -- | -- | 1 | <1 | -- | <10 | <10 | <1 | <1 | -- | <10 |
| JUN<br>09... | 0.05 | 0.04 | -- | 1 | -- | -- | <10 | -- | <1 | -- | -- | 3 |
| JUL<br>05... | -- | -- | -- | 2 | 1 | -- | <10 | <10 | <1 | <1 | -- | <10 |
| AUG<br>02... | 0.06 | 0.03 | 30 | 2 | 2 | 78 | <10 | <0.5 | <1 | 2 | <1 | 1 |
| SEP<br>29... | -- | -- | -- | 3 | 2 | -- | <10 | <10 | <1 | <1 | -- | <10 |

| DATE | CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR) | COBALT, DIS-SOLVED (UG/L AS CO) | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) | COPPER, DIS-SOLVED (UG/L AS CU) | IRON, DIS-SOLVED (UG/L AS FE) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) | LEAD, DIS-SOLVED (UG/L AS PB) | LITHIUM DIS-SOLVED (UG/L AS LI) | MANGA-NESE, DIS-SOLVED (UG/L AS MN) | MERCURY DIS-SOLVED (UG/L AS HG) | MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) | MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT<br>20... | <1 | <3 | 4 | 3 | 4 | <5 | 7 | 15 | 1 | <0.1 | <0.1 | <10 |
| NOV<br>17... | <1 | -- | 20 | 7 | <8 | 20 | <5 | -- | -- | -- | <0.1 | -- |
| DEC<br>02... | <1 | -- | 14 | -- | -- | 13 | -- | -- | -- | -- | <0.1 | -- |
| JAN<br>05... | 10 | -- | 10 | 4 | 40 | 20 | <5 | -- | -- | <0.1 | 0.1 | -- |
| FEB<br>22... | <1 | <3 | 16 | 14 | 74 | 6 | <5 | 9 | 6 | 0.1 | 0.2 | <10 |
| MAR<br>15... | <1 | -- | 10 | 5 | 100 | 10 | <5 | -- | -- | <0.1 | <0.1 | -- |
| APR<br>05... | <1 | <3 | 24 | 8 | 22 | 11 | <5 | 13 | 4 | <0.1 | <0.1 | <10 |
| MAY<br>10... | <1 | -- | 8 | 3 | 90 | <5 | <5 | -- | -- | <0.1 | <0.1 | -- |
| JUN<br>09... | 1 | -- | 8 | -- | -- | <5 | -- | -- | -- | -- | <0.1 | -- |
| JUL<br>05... | 7 | -- | 10 | 5 | 30 | <5 | <5 | -- | -- | 0.1 | 0.3 | -- |
| AUG<br>02... | <1 | <3 | 15 | 3 | 3 | <5 | <5 | 19 | <1 | <0.1 | <0.1 | <10 |
| SEP<br>29... | <1 | -- | 10 | 3 | 50 | <5 | <5 | -- | -- | <0.1 | <0.1 | -- |

< Actual value is known to be less than the value shown.

## 07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) | NICKEL, DIS-SOLVED (UG/L AS NI) | SELE-NIUM, TOTAL (UG/L AS SE) | SELE-NIUM, DIS-SOLVED (UG/L AS SE) | SILVER, DIS-SOLVED (UG/L AS AG) | STRON-TIUM, DIS-SOLVED (UG/L AS SR) | VANA-DIUM, DIS-SOLVED (UG/L AS V) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) | ZINC, DIS-SOLVED (UG/L AS ZN) | CARBON, ORGANIC TOTAL (MG/L AS C) | CYANIDE TOTAL (MG/L AS CN) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT<br>20... | 4 | 4 | <1 | <1 | <1 | 260 | <6 | 10 | 9 | 5.3 | <0.01 |
| NOV<br>17... | 10 | <1 | -- | <1 | -- | -- | <1 | 40 | 10 | 4.6 | <0.01 |
| DEC<br>02... | 2 | -- | <1 | -- | -- | -- | -- | 30 | -- | 6.4 | <0.01 |
| JAN<br>05... | 20 | 2 | <1 | <1 | -- | -- | 1 | 40 | 10 | 9.3 | <0.01 |
| FEB<br>22... | 13 | 13 | <1 | <1 | <1 | 140 | <6 | 50 | 36 | 8.2 | <0.01 |
| MAR<br>15... | 4 | 3 | <1 | <1 | -- | -- | <1 | 30 | <10 | 6.9 | <0.01 |
| APR<br>05... | 11 | 7 | <1 | <1 | <1 | 170 | <6 | 20 | 23 | 5.6 | <0.01 |
| MAY<br>10... | 3 | 2 | <1 | <1 | -- | -- | <1 | 30 | <10 | 5.9 | <0.01 |
| JUN<br>09... | 3 | -- | <1 | -- | -- | -- | -- | 10 | -- | 5.4 | <0.01 |
| JUL<br>05... | <1 | 1 | <1 | <1 | -- | -- | <1 | 10 | 10 | 5.3 | <0.01 |
| AUG<br>02... | 5 | 5 | 1 | 1 | <1 | 250 | <6 | 10 | 5 | 5.9 | <0.01 |
| SEP<br>29... | <1 | <1 | <1 | <1 | -- | -- | 2 | 30 | 10 | 5.2 | <0.01 |

| DATE | PHENOLS TOTAL (UG/L) | OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L) | PCB, TOTAL (UG/L) | NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L) | ALDRIN, TOTAL (UG/L) | CHLOR-DANE, TOTAL (UG/L) | DDD, TOTAL (UG/L) | DDE, TOTAL (UG/L) | DDT, TOTAL (UG/L) | DI-AZINON, TOTAL (UG/L) | DI-ELDRIN TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT<br>20... | 2 | <1 | <0.1 | <1.0 | <0.01 | <0.01 | <0.01 | <0.01 | 0.03 | <0.01 | <0.01 |
| NOV<br>17... | 4 | 3 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| DEC<br>02... | 12 | 4 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| JAN<br>05... | 4 | 2 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| FEB<br>22... | 3 | 2 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| MAR<br>15... | 7 | <1 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.02 | <0.01 |
| APR<br>05... | 7 | 1 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| MAY<br>10... | 2 | 1 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.02 | <0.01 |
| JUN<br>09... | 3 | <1 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| JUL<br>05... | 1 | <1 | <0.1 | <0.1 | <0.001 | <0.1 | <0.001 | <0.001 | <0.001 | <0.01 | 0.001 |
| AUG<br>02... | <1 | 1 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| SEP<br>29... | 1 | 1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |

## 07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | ENDO-SULFAN, TOTAL (UG/L) | ENDRIN, TOTAL (UG/L) | ETHION, TOTAL (UG/L) | HEPTA-CHLOR, TOTAL (UG/L) | HEPTA-CHLOR EPOXIDE TOTAL (UG/L) | LINDANE TOTAL (UG/L) | MALA-THION, TOTAL (UG/L) | METH-OXY-CHLOR, TOTAL (UG/L) | METHYL PARA-THION, TOTAL (UG/L) | METHYL TRI-THION, TOTAL (UG/L) | MIREX, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 20... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.03 | <0.01 |
| NOV 17... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| DEC 02... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | -- | <0.01 | <0.01 |
| JAN 05... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| FEB 22... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.02 | <0.01 |
| MAR 15... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.04 | <0.01 |
| APR 05... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| MAY 10... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| JUN 09... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| JUL 05... | <0.001 | <0.001 | <0.01 | <0.001 | <0.001 | <0.001 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| AUG 02... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| SEP 29... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |

| DATE | PARA-THION, TOTAL (UG/L) | PER-THANE TOTAL (UG/L) | TOX-APHENE, TOTAL (UG/L) | TOTAL TRI-THION (UG/L) | 2,4-D, TOTAL (UG/L) | 2, 4-DP TOTAL (UG/L) | 2,4,5-T TOTAL (UG/L) | SILVEX, TOTAL (UG/L) | SEDI-MENT, SUS-PENDED (MG/L) | SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 20... | <0.01 | <0.01 | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | -- | 81 | 34300 | 98 |
| NOV 17... | <0.01 | <0.01 | <0.5 | <0.01 | 0.2 | <0.1 | <0.1 | <0.1 | 177 | 103000 | 92 |
| DEC 02... | <0.01 | <0.01 | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 255 | 239000 | 70 |
| JAN 05... | <0.01 | <0.01 | <0.5 | 0.02 | 0.2 | <0.1 | <0.1 | <0.1 | 548 | 1420000 | 71 |
| FEB 22... | <0.01 | <0.01 | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 272 | 546000 | 74 |
| MAR 15... | <0.01 | <0.01 | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 239 | 449000 | 73 |
| APR 05... | <0.01 | <0.01 | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 252 | 373000 | 80 |
| MAY 10... | <0.01 | <0.01 | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 155 | 149000 | 85 |
| JUN 09... | <0.01 | <0.01 | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 102 | 55400 | 94 |
| JUL 05... | <0.01 | <0.1 | <1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 30 | 8990 | 98 |
| AUG 02... | <0.01 | <0.01 | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | -- | -- | -- |
| SEP 29... | <0.01 | <0.01 | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | -- | -- | -- |

< Actual value is known to be less than the value shown.

## 07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued

### SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
ONCE-DAILY

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 521 | 545 | 452 | 314 | 335 | 391 | 355 | 402 | 483 | 542 | 399 | 451 |
| 2 | 520 | 548 | 452 | 314 | 273 | 376 | 390 | 402 | 446 | 530 | 465 | 451 |
| 3 | 522 | 548 | 474 | 288 | 306 | --- | 392 | 403 | 450 | --- | 464 | 505 |
| 4 | 488 | 552 | 480 | 288 | --- | --- | 391 | 415 | 438 | --- | 464 | --- |
| 5 | 470 | 560 | 491 | 288 | --- | 380 | 404 | 415 | 448 | --- | 507 | --- |
| 6 | --- | 553 | 476 | 296 | 317 | 371 | 404 | 412 | --- | 485 | 507 | --- |
| 7 | --- | 555 | 464 | --- | 306 | 383 | 419 | --- | 449 | 471 | 507 | --- |
| 8 | --- | 556 | 456 | --- | 302 | 380 | 419 | --- | 448 | 527 | 507 | --- |
| 9 | 459 | 548 | 441 | 291 | 337 | 445 | --- | --- | 467 | 443 | 507 | --- |
| 10 | 460 | 546 | --- | 283 | 335 | 418 | 438 | --- | 486 | 424 | 463 | --- |
| 11 | 471 | 519 | --- | 278 | --- | 382 | --- | 453 | 487 | 535 | 462 | --- |
| 12 | 472 | 513 | 453 | 280 | --- | --- | --- | 455 | 487 | 535 | 461 | --- |
| 13 | 509 | 556 | 435 | 282 | --- | --- | 375 | 456 | 501 | 546 | 507 | --- |
| 14 | 512 | 552 | 440 | 278 | --- | --- | 389 | 456 | 462 | 544 | 507 | --- |
| 15 | 508 | 555 | 462 | 283 | --- | --- | --- | 451 | 493 | 545 | 491 | --- |
| 16 | 508 | 556 | 450 | --- | --- | 402 | 439 | 452 | 534 | 543 | 492 | --- |
| 17 | 508 | 559 | 447 | --- | 314 | 406 | 440 | --- | 536 | 546 | 506 | --- |
| 18 | 508 | 559 | 463 | --- | 336 | 377 | 436 | --- | 531 | 493 | 495 | --- |
| 19 | 503 | 521 | 463 | 327 | 297 | 369 | --- | 446 | 530 | 480 | 506 | --- |
| 20 | 507 | 474 | 463 | 328 | --- | 369 | --- | 447 | 522 | 491 | 506 | --- |
| 21 | 519 | 472 | --- | 334 | --- | 372 | 408 | 408 | 529 | 497 | 506 | --- |
| 22 | 531 | 471 | 403 | 336 | 312 | --- | 410 | 437 | 491 | 496 | 506 | --- |
| 23 | 461 | 473 | 412 | 337 | --- | --- | 409 | 475 | 489 | 528 | 505 | --- |
| 24 | 468 | 427 | 435 | 328 | --- | 421 | 388 | 473 | 528 | 526 | 504 | --- |
| 25 | 536 | 427 | 418 | 324 | --- | 420 | 386 | 474 | 465 | 470 | 507 | --- |
| 26 | 538 | 424 | 423 | --- | --- | 408 | 398 | 470 | 494 | 472 | 508 | --- |
| 27 | 508 | 423 | 424 | --- | --- | 377 | 396 | 460 | 503 | 460 | 500 | --- |
| 28 | 501 | 452 | 421 | 339 | --- | 424 | 407 | 483 | 508 | 457 | 504 | --- |
| 29 | 504 | 452 | --- | 341 | --- | 375 | 405 | 484 | 524 | 458 | 505 | 531 |
| 30 | 528 | 452 | --- | 339 | --- | 378 | 407 | 484 | 512 | 421 | 505 | 503 |
| 31 | 546 | --- | 370 | 337 | --- | 340 | --- | 484 | --- | 422 | 451 | --- |
| MAX | 546 | 560 | 491 | --- | --- | --- | 440 | 484 | 536 | 546 | 508 | --- |
| MIN | 459 | 423 | 370 | --- | --- | --- | 355 | 402 | 438 | 421 | 399 | --- |

### TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
ONCE-DAILY

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 29.0 | 20.0 | 13.0 | 9.0 | 7.0 | 9.0 | 13.0 | 17.0 | | | | |
| 2 | 29.0 | 20.0 | 13.0 | 8.0 | 9.0 | 9.0 | 13.0 | 17.0 | | | | |
| 3 | 29.0 | 20.0 | 12.0 | 8.0 | 9.0 | --- | --- | 17.0 | | | | |
| 4 | 25.0 | 20.0 | 12.0 | 8.0 | --- | --- | --- | 18.0 | | | | |
| 5 | 25.0 | 20.0 | 12.0 | 7.0 | --- | 9.0 | --- | 18.0 | | | | |
| 6 | --- | 18.0 | 12.0 | 7.0 | 7.0 | 9.0 | 16.0 | 18.0 | | | | |
| 7 | --- | 18.0 | 12.0 | --- | 7.0 | 9.0 | 16.0 | --- | | | | |
| 8 | --- | 18.0 | 12.0 | --- | 7.0 | 9.0 | 16.0 | --- | | | | |
| 9 | 25.0 | 18.0 | 11.0 | 6.0 | 7.0 | 9.0 | --- | --- | | | | |
| 10 | 25.0 | 18.0 | --- | 6.0 | 7.5 | 9.0 | 17.0 | --- | | | | |
| 11 | 26.0 | 18.0 | --- | 6.0 | --- | 9.0 | --- | --- | | | | |
| 12 | 25.0 | 18.0 | 12.0 | 6.0 | --- | --- | --- | --- | | | | |
| 13 | 25.0 | 18.0 | 12.0 | 6.0 | --- | --- | 16.0 | --- | | | | |
| 14 | 25.0 | 18.0 | 12.0 | 6.0 | --- | --- | 17.0 | --- | | | | |
| 15 | 25.0 | --- | 11.0 | 5.0 | --- | --- | --- | --- | | | | |
| 16 | 25.0 | --- | 11.0 | --- | --- | 9.0 | 17.0 | --- | | | | |
| 17 | 25.0 | --- | 11.0 | --- | 6.0 | 9.0 | 17.0 | --- | | | | |
| 18 | 25.0 | --- | 11.0 | --- | 6.0 | 11.0 | 17.0 | --- | | | | |
| 19 | --- | --- | 11.0 | 6.0 | 6.0 | 11.0 | --- | --- | | | | |
| 20 | --- | 16.0 | 11.0 | 6.0 | --- | 11.0 | --- | --- | | | | |
| 21 | 20.0 | 15.0 | --- | 6.0 | --- | 11.0 | 17.0 | --- | | | | |
| 22 | 20.0 | 15.0 | 11.0 | 6.5 | 6.0 | --- | 17.0 | --- | | | | |
| 23 | 20.0 | 15.0 | 10.0 | 6.5 | --- | --- | 17.0 | --- | | | | |
| 24 | 20.0 | 15.0 | 10.0 | 6.0 | --- | 11.0 | 17.0 | --- | | | | |
| 25 | 20.0 | 15.0 | 10.0 | 6.0 | --- | 11.0 | 17.0 | --- | | | | |
| 26 | 20.0 | 15.0 | 10.0 | --- | --- | 13.0 | 17.0 | --- | | | | |
| 27 | 20.0 | 15.0 | 10.0 | --- | --- | 13.0 | 17.0 | --- | | | | |
| 28 | 20.0 | 15.0 | 9.0 | 6.0 | --- | 13.0 | 17.0 | --- | | | | |
| 29 | 20.0 | 15.0 | --- | 6.0 | --- | 13.0 | 17.0 | --- | | | | |
| 30 | 20.0 | 15.0 | --- | 6.0 | --- | 13.0 | 17.0 | --- | | | | |
| 31 | 20.0 | --- | 9.0 | 7.0 | --- | --- | --- | --- | | | | |
| MAX | 29.0 | 20.0 | 13.0 | 9.0 | --- | 13.0 | --- | --- | | | | |
| MIN | 20.0 | 15.0 | 9.0 | 5.0 | --- | 9.0 | --- | --- | | | | |

### 07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued

### CHLORIDE, WATER, DISSOLVED, (MG/L AS CL), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
ONCE-DAILY

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 27 | 29 | 23 | 19 | 21 | 24 | 21 | 21 | 23 | 22 | 21 | 22 |
| 2 | 29 | 34 | -- | 21 | 17 | 24 | 16 | 21 | 21 | 23 | 24 | 21 |
| 3 | 30 | 32 | 24 | 17 | 19 | --- | 22 | 19 | 21 | --- | 22 | 24 |
| 4 | 22 | 31 | 20 | 17 | --- | --- | 19 | 20 | 19 | --- | 23 | --- |
| 5 | 23 | 28 | 40 | 16 | --- | 21 | 21 | 20 | 20 | --- | 26 | --- |
| 6 | --- | 25 | 35 | 13 | 19 | 23 | 22 | 21 | --- | 25 | 26 | --- |
| 7 | --- | 29 | 32 | --- | 18 | 20 | 22 | --- | 19 | 22 | 26 | --- |
| 8 | --- | 26 | 31 | --- | 19 | 19 | 24 | --- | 20 | 26 | 26 | --- |
| 9 | 21 | 20 | 30 | 13 | 19 | 35 | --- | --- | -- | 20 | 25 | --- |
| 10 | 22 | 24 | --- | 14 | 22 | 34 | 27 | --- | 28 | 19 | 22 | --- |
| 11 | 20 | 25 | --- | 14 | --- | 30 | --- | 21 | 27 | 23 | 25 | --- |
| 12 | 23 | 24 | 28 | 13 | --- | --- | --- | 21 | 24 | 24 | 23 | --- |
| 13 | 26 | 27 | 28 | 12 | --- | --- | 18 | 23 | 27 | 25 | 23 | --- |
| 14 | 23 | 26 | 29 | 14 | --- | --- | 19 | 23 | 22 | 22 | 27 | --- |
| 15 | 24 | 28 | 33 | 14 | --- | --- | --- | 24 | 23 | 25 | 24 | --- |
| 16 | 24 | 26 | 28 | --- | --- | 22 | 27 | 22 | 25 | 22 | 25 | --- |
| 17 | 22 | -- | 29 | --- | 20 | 23 | 27 | --- | 25 | 26 | 20 | --- |
| 18 | 23 | 29 | 29 | --- | 18 | 21 | 28 | --- | 23 | 22 | 20 | --- |
| 19 | 26 | 23 | 28 | 14 | 19 | 21 | --- | 23 | 23 | 20 | 22 | --- |
| 20 | -- | 24 | 27 | 18 | --- | 23 | --- | 23 | 24 | 22 | 22 | --- |
| 21 | 27 | 22 | --- | 16 | --- | 23 | 24 | 23 | 26 | 27 | 20 | --- |
| 22 | 28 | 23 | 25 | 15 | 18 | --- | 22 | 23 | 22 | 24 | 21 | --- |
| 23 | 23 | 23 | 24 | 14 | --- | --- | 22 | 23 | 23 | 28 | 23 | --- |
| 24 | 25 | 33 | 24 | 16 | --- | 29 | 19 | 22 | 19 | 29 | 25 | --- |
| 25 | 26 | 30 | 24 | 17 | --- | 24 | 16 | 23 | 19 | 23 | 24 | --- |
| 26 | 26 | 27 | 24 | --- | --- | 25 | 18 | 23 | 23 | 23 | 23 | --- |
| 27 | 24 | 27 | 27 | --- | --- | 23 | 22 | 22 | 22 | 22 | 23 | --- |
| 28 | 21 | 25 | 26 | 16 | --- | 25 | 22 | 22 | 21 | 23 | 24 | --- |
| 29 | 23 | 22 | --- | 17 | --- | 23 | 20 | 22 | 22 | 23 | 24 | --- |
| 30 | 23 | 26 | --- | 15 | --- | 31 | 19 | 23 | 23 | 21 | 25 | --- |
| 31 | 31 | --- | 24 | 19 | --- | 22 | --- | 23 | --- | 20 | 21 | --- |
| MAX | 31 | 34 | 40 | --- | --- | --- | 28 | 24 | 28 | 29 | 27 | --- |
| MIN | 20 | 20 | 20 | --- | --- | --- | 16 | 19 | 19 | 19 | 20 | --- |

| DATE | SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) | DATE | SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) |
|---|---|---|---|
| OCT | | APR | |
| 01-10 | 290 | 01-10 | 254 |
| 11-20 | 323 | 11-20 | 257 |
| 21-31 | 290 | 21-30 | 248 |
| NOV | | MAY | |
| 01-10 | 335 | 01-10 | 260 |
| 11-20 | 311 | 11-20 | 266 |
| 21-30 | 280 | 21-31 | 265 |
| DEC | | JUN | |
| 01-10 | 290 | 01-10 | 293 |
| 11-20 | 291 | 11-20 | 293 |
| 21-31 | 253 | 21-30 | 283 |
| JAN | | JUL | |
| 01-10 | 189 | 01-10 | 310 |
| 11-20 | 174 | 11-20 | 300 |
| 21-31 | 202 | 21-31 | 280 |
| FEB | | AUG | |
| 01-10 | 177 | 01-10 | 269 |
| 11-20 | 191 | 11-20 | 287 |
| MAR | | 21-31 | 296 |
| 01-10 | 247 | SEP | |
| 11-20 | 245 | 01-10 | 280 |
| 21-31 | 250 | 21-30 | 295 |

## 07374120 MISSISSIPPI RIVER AT PLAQUEMINE, LA (CE 01170)

LOCATION.--Lat 30°17'00", long 91°13'21", T.9 S., R.12 E., Louisiana meridian, Iberville Parish, Hydrologic Unit 08070100, cross section of river, at west bank ferry landing at Plaquemine, and at mile 208.0.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--Water years 1973 to current year.

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | SPECIFIC CONDUCTANCE (US/CM) | PH (STANDARD UNITS) | TEMPERATURE WATER (DEG C) | COLOR (PLATINUM-COBALT UNITS) | TURBIDITY (NTU) | SETTLEABLE MATTER (ML/L/HR) | OXYGEN, DISSOLVED (MG/L) | OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 21... | 0930 | 544 | 7.90 | 18.5 | 10 | 24 | <1 | 9.0 | 49 | 1.3 |
| NOV | | | | | | | | | | |
| 17... | 1500 | 552 | 7.90 | 15.5 | 5 | 26 | <1 | 9.3 | 40 | -- |
| DEC | | | | | | | | | | |
| 09... | 1015 | 461 | 7.70 | 13.0 | 15 | 45 | <1 | 10.6 | 31 | 1.9 |
| JAN 1988 | | | | | | | | | | |
| 05... | 1515 | 275 | 7.70 | 6.5 | 30 | 95 | <1 | 10.6 | <10 | 1.8 |
| FEB | | | | | | | | | | |
| 22... | 1500 | 334 | 8.04 | 7.0 | 20 | 95 | <1 | 12.0 | 21 | 2.4 |
| MAR | | | | | | | | | | |
| 15... | 1430 | 439 | 7.30 | 10.0 | 10 | 60 | <1 | 11.0 | 100 | -- |
| APR | | | | | | | | | | |
| 05... | 1530 | 390 | 7.40 | 17.5 | 10 | 80 | <1 | 8.8 | 91 | 1.1 |
| MAY | | | | | | | | | | |
| 10... | 1500 | 443 | 8.32 | 21.0 | 10 | 31 | <1 | 8.7 | <10 | 1.2 |
| JUN | | | | | | | | | | |
| 09... | 1030 | 482 | 7.11 | 27.5 | 10 | 11 | <1 | 7.2 | 28 | 1.1 |
| JUL | | | | | | | | | | |
| 06... | 0845 | 584 | 7.93 | 31.0 | 5 | 5.9 | <1 | 8.2 | 12 | 1.8 |
| AUG | | | | | | | | | | |
| 03... | 0945 | 544 | 7.62 | 31.0 | 5 | 5.0 | <1 | 6.8 | 30 | 1.5 |
| SEP | | | | | | | | | | |
| 29... | 1000 | 539 | 7.91 | 28.5 | 10 | 10 | <1 | 6.4 | 14 | 1.1 |

| DATE | COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML) | COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) | HARDNESS TOTAL (MG/L AS CACO3) | CALCIUM DISSOLVED (MG/L AS CA) | MAGNESIUM, DISSOLVED (MG/L AS MG) | ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DISSOLVED (MG/L AS SO4) | CHLORIDE, DISSOLVED (MG/L AS CL) | RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) | NITROGEN, NITRITE TOTAL (MG/L AS N) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 21... | 12000 | 4200 | 200 | 48 | 20 | 139 | 29 | 40 | 68 | 0.01 |
| NOV | | | | | | | | | | |
| 17... | 12000 | 2600 | 210 | 53 | 19 | 151 | 78 | 38 | 73 | 0.04 |
| DEC | | | | | | | | | | |
| 09... | 6600 | 2000 | 150 | 36 | 14 | 113 | 52 | 36 | 144 | -- |
| JAN | | | | | | | | | | |
| 05... | 2800 | K320 | 97 | 25 | 8.5 | 77 | 36 | 18 | 566 | 0.03 |
| FEB | | | | | | | | | | |
| 22... | 4800 | 580 | 120 | 34 | 9.5 | 84 | 41 | 23 | 212 | 0.04 |
| MAR | | | | | | | | | | |
| 15... | 1200 | 200 | 150 | 41 | 12 | 118 | 46 | 36 | 144 | 0.04 |
| APR | | | | | | | | | | |
| 05... | K1600 | 780 | 140 | 38 | 12 | 110 | 41 | 26 | 476 | 0.06 |
| MAY | | | | | | | | | | |
| 10... | 5800 | 680 | 170 | 44 | 14 | 126 | 50 | 28 | 91 | <0.01 |
| JUN | | | | | | | | | | |
| 09... | K7800 | 1600 | 180 | 44 | 17 | 126 | 64 | 31 | 31 | 0.02 |
| JUL | | | | | | | | | | |
| 06... | -- | -- | 220 | 55 | 19 | 166 | 75 | 35 | 31 | <0.01 |
| AUG | | | | | | | | | | |
| 03... | K4300 | K1400 | 190 | 50 | 17 | 135 | 79 | 28 | 14 | 0.01 |
| SEP | | | | | | | | | | |
| 29... | K9500 | K1300 | 180 | 47 | 16 | 132 | 70 | 34 | 34 | E0.01 |

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal colony count).
E Estimated.

## 07374120 MISSISSIPPI RIVER AT PLAQUEMINE, LA--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) | NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) | PHOS- PHOROUS TOTAL (MG/L AS P) | ARSENIC TOTAL (UG/L AS AS) | ARSENIC DIS- SOLVED (UG/L AS AS) | BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) | BERYL- LIUM, DIS- SOLVED (UG/L AS BE) | CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) | CADMIUM DIS- SOLVED (UG/L AS CD) | CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 21... | 1.0 | 0.33 | 0.20 | 2 | 2 | <10 | <10 | <1 | <1 | <10 |
| NOV | | | | | | | | | | |
| 17... | 0.96 | 0.28 | 0.20 | 1 | 1 | <10 | <10 | 2 | <1 | <10 |
| DEC | | | | | | | | | | |
| 09... | -- | -- | -- | 2 | 1 | <10 | <10 | 1 | <1 | <10 |
| JAN 1988 | | | | | | | | | | |
| 05... | 1.0 | 0.32 | 0.66 | 5 | <1 | <10 | <10 | 1 | 1 | 10 |
| FEB | | | | | | | | | | |
| 22... | 1.7 | 0.67 | 0.39 | 1 | <1 | <10 | <10 | <1 | <1 | <10 |
| MAR | | | | | | | | | | |
| 15... | 2.0 | 0.67 | 0.30 | 1 | <1 | <10 | <10 | <1 | <1 | <10 |
| APR | | | | | | | | | | |
| 05... | 1.5 | 0.67 | 0.38 | 2 | <1 | <10 | <10 | <1 | <1 | <10 |
| MAY | | | | | | | | | | |
| 10... | 1.4 | 0.40 | 0.21 | 1 | <1 | <10 | <10 | <1 | <1 | <10 |
| JUN | | | | | | | | | | |
| 09... | 0.68 | 0.32 | 0.10 | 1 | 1 | <10 | <10 | 1 | 2 | <10 |
| JUL | | | | | | | | | | |
| 06... | <0.02 | <0.20 | 0.10 | 2 | 1 | <10 | <10 | <1 | 1 | <10 |
| AUG | | | | | | | | | | |
| 03... | 0.21 | 0.37 | 0.11 | 2 | 2 | <10 | <10 | 1 | 1 | <10 |
| SEP | | | | | | | | | | |
| 29... | E0.70 | E0.86 | E0.15 | 2 | 1 | <10 | <10 | <1 | <1 | <10 |

| DATE | CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR) | COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) | COPPER, DIS- SOLVED (UG/L AS CU) | IRON, DIS- SOLVED (UG/L AS FE) | LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) | LEAD, DIS- SOLVED (UG/L AS PB) | MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) | MERCURY DIS- SOLVED (UG/L AS HG) | NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) | NICKEL, DIS- SOLVED (UG/L AS NI) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | | |
| 21... | <1 | 6 | 4 | <8 | <5 | <5 | <0.1 | <0.1 | 4 | 1 |
| NOV | | | | | | | | | | |
| 17... | <1 | 10 | 4 | <8 | 10 | <5 | <0.1 | <0.1 | 4 | <1 |
| DEC | | | | | | | | | | |
| 09... | <1 | 10 | 5 | <8 | 10 | <5 | 0.3 | <0.1 | 5 | 2 |
| JAN 1988 | | | | | | | | | | |
| 05... | <1 | 20 | 4 | 390 | 20 | <5 | <0.1 | <0.1 | 20 | 2 |
| FEB | | | | | | | | | | |
| 22... | <1 | 20 | 8 | 120 | 20 | <5 | <0.1 | <0.1 | 9 | 3 |
| MAR | | | | | | | | | | |
| 15... | <1 | 10 | 4 | 110 | 9 | <5 | <0.1 | <0.1 | 7 | <1 |
| APR | | | | | | | | | | |
| 05... | <1 | 10 | 11 | 150 | 8 | <5 | <0.1 | <0.1 | 9 | 2 |
| MAY | | | | | | | | | | |
| 10... | <1 | 7 | 2 | 90 | 6 | <5 | <0.1 | <0.1 | 20 | 3 |
| JUN | | | | | | | | | | |
| 09... | 2 | 7 | 5 | 40 | <5 | <5 | 0.1 | <0.1 | 1 | 1 |
| JUL | | | | | | | | | | |
| 06... | <1 | 8 | 6 | 30 | 10 | <5 | <0.1 | <0.1 | 1 | 1 |
| AUG | | | | | | | | | | |
| 03... | <1 | 20 | 12 | 50 | <5 | <5 | <0.1 | <0.1 | 5 | 3 |
| SEP | | | | | | | | | | |
| 29... | <1 | 10 | 6 | 20 | <5 | <5 | <0.1 | <0.1 | 3 | <1 |

< Actual value is known to be less than the value shown.
E Estimated.

## 07374120 MISSISSIPPI RIVER AT PLAQUEMINE, LA--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | SELENIUM, TOTAL (UG/L AS SE) | SELENIUM, DISSOLVED (UG/L AS SE) | VANADIUM, DISSOLVED (UG/L AS V) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) | ZINC, DISSOLVED (UG/L AS ZN) | CARBON, ORGANIC TOTAL (MG/L AS C) | CYANIDE TOTAL (MG/L AS CN) | PHENOLS TOTAL (UG/L) | OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L) |
|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | |
| 21... | <1 | <1 | 1 | 10 | 10 | 5.1 | <0.01 | 2 | -- |
| NOV | | | | | | | | | |
| 17... | <1 | <1 | 2 | 30 | 10 | 5.2 | <0.01 | 7 | 1 |
| DEC | | | | | | | | | |
| 09... | <1 | <1 | <1 | 20 | <10 | 7.2 | <0.01 | 6 | 1 |
| JAN 1988 | | | | | | | | | |
| 05... | <1 | <1 | <1 | 60 | 10 | 7.2 | <0.01 | 4 | 2 |
| FEB | | | | | | | | | |
| 22... | <1 | <1 | <1 | 60 | 40 | 7.5 | <0.01 | 4 | 2 |
| MAR | | | | | | | | | |
| 15... | <1 | <1 | <1 | 20 | <10 | 6.5 | <0.01 | 9 | 2 |
| APR | | | | | | | | | |
| 05... | <1 | <1 | -- | 30 | 10 | 7.0 | <0.01 | 9 | 3 |
| MAY | | | | | | | | | |
| 10... | <1 | <1 | <1 | 20 | <10 | 5.5 | <0.01 | 3 | 2 |
| JUN | | | | | | | | | |
| 09... | <1 | <1 | <1 | 10 | <10 | 4.5 | <0.01 | 2 | 1 |
| JUL | | | | | | | | | |
| 06... | <1 | <1 | <1 | 20 | 10 | 4.9 | <0.01 | 1 | 4 |
| AUG | | | | | | | | | |
| 03... | <1 | <1 | 1 | 30 | 30 | 4.9 | <0.01 | 1 | 2 |
| SEP | | | | | | | | | |
| 29... | <1 | <1 | 2 | 20 | 20 | 3.9 | <0.01 | 6 | 3 |

< Actual value is known to be less than the value shown.

## 07374220 MISSISSIPPI RIVER AT UNION, LA (CE 01222)

LOCATION.--Lat 30°05'52", long 90°54'45", T.11 S., R.15 E., St. James Parish, Hydrologic Unit 08070100, cross section on downstream side of Sunshine Bridge on State Highway 3089, 0.7 mi northwest of Union, and at mile 167.5.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--Water years 1973 to current year.

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | SPE-CIFIC CON-DUCT-ANCE (US/CM) | PH (STAND-ARD UNITS) | TEMPER-ATURE WATER (DEG C) | COLOR (PLAT-INUM-COBALT UNITS) | TUR-BID-ITY (NTU) | SETTLE-ABLE MATTER (ML/L/HR) | OXYGEN, DIS-SOLVED (MG/L) | OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987<br>27... | 1230 | 574 | 7.90 | 19.5 | 15 | 12 | <1 | 8.7 | 28 | 1.5 |
| NOV<br>18... | 1000 | 590 | 7.90 | 15.5 | 5 | 20 | <1 | 9.3 | -- | 1.3 |
| DEC<br>09... | 1300 | 481 | 7.80 | 13.0 | 20 | 50 | <1 | 10.4 | 37 | 1.6 |
| JAN 1988<br>06... | 1045 | 282 | 7.60 | 6.0 | 30 | 90 | <1 | 10.2 | <10 | 1.6 |
| FEB<br>23... | 1045 | 325 | 7.89 | 7.0 | 20 | 90 | <1 | 11.8 | <10 | 2.2 |
| MAR<br>16... | 1020 | 446 | 7.30 | 10.0 | 15 | 65 | <1 | 10.4 | 87 | 1.7 |
| APR<br>06... | 1100 | 403 | 7.40 | 16.5 | 10 | 82 | <1 | 9.2 | <10 | -- |
| MAY<br>11... | 1010 | 438 | 7.97 | 21.0 | 5 | 28 | <1 | 8.8 | <10 | 0.8 |
| JUN<br>08... | 1315 | 484 | 7.36 | -- | 10 | 13 | <1 | 7.4 | 25 | 1.4 |
| JUL<br>06... | 1100 | 584 | 7.90 | 31.0 | 5 | 3.8 | <1 | 8.3 | 13 | 1.8 |
| AUG<br>03... | 1330 | 544 | 7.50 | 31.0 | 5 | 3.5 | <1 | 6.7 | 26 | 1.4 |
| SEP<br>28... | 1600 | 540 | 7.94 | 30.0 | 10 | 13 | <1 | 5.9 | 15 | 0.9 |

| DATE | COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) | HARD-NESS TOTAL (MG/L AS CACO3) | CALCIUM DIS-SOLVED (MG/L AS CA) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) | ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DIS-SOLVED (MG/L AS SO4) | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) | RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) | NITRO-GEN, NITRITE TOTAL (MG/L AS N) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT<br>27... | 4200 | 1200 | 190 | 46 | 19 | 134 | 62 | 48 | 26 | 0.01 |
| NOV<br>18... | 3400 | 390 | 210 | 53 | 20 | 153 | 74 | 42 | 58 | 0.04 |
| DEC<br>09... | 3000 | 580 | 150 | 36 | 14 | 105 | 59 | 38 | 127 | -- |
| JAN 1988<br>06... | 2300 | 320 | 97 | 25 | 8.5 | 79 | 33 | 17 | 525 | 0.04 |
| FEB<br>23... | 3400 | 340 | 120 | 33 | 9.5 | 81 | 40 | 23 | 203 | 0.04 |
| MAR<br>16... | 2900 | 350 | 160 | 43 | 12 | 110 | 46 | 36 | 162 | 0.04 |
| APR<br>06... | 2900 | 750 | 150 | 40 | 12 | 106 | 41 | 26 | 646 | 0.06 |
| MAY<br>11... | 3300 | 380 | 170 | 43 | 14 | 118 | 50 | 29 | 71 | 0.01 |
| JUN<br>08... | 1200 | 250 | 180 | 45 | 17 | 129 | 64 | 30 | 53 | 0.02 |
| JUL<br>06... | 150 | 54 | 220 | 55 | 20 | 170 | 73 | 34 | 16 | <0.01 |
| AUG<br>03... | 390 | 100 | 180 | 46 | 17 | 137 | 74 | 32 | 7 | 0.02 |
| SEP<br>28... | 4400 | 290 | 180 | 45 | 16 | 140 | 74 | 35 | 32 | E0.01 |

< Actual value is known to be less than the value shown.
E Estimated.

## 07374220 MISSISSIPPI RIVER AT UNION, LA--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) | NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N) | PHOSPHOROUS TOTAL (MG/L AS P) | ARSENIC TOTAL (UG/L AS AS) | ARSENIC DISSOLVED (UG/L AS AS) | BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) | BERYLLIUM, DISSOLVED (UG/L AS BE) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) | CADMIUM DISSOLVED (UG/L AS CD) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 27... | <0.02 | 0.86 | 0.01 | 2 | 1 | <10 | <10 | <1 | <1 | <10 |
| NOV | | | | | | | | | | |
| 18... | 0.97 | 0.23 | 0.17 | 2 | 1 | <10 | <10 | 1 | <1 | <10 |
| DEC | | | | | | | | | | |
| 09... | -- | 1.2 | -- | 2 | -- | <10 | -- | 1 | -- | <10 |
| JAN 1988 | | | | | | | | | | |
| 06... | 1.0 | 0.65 | 0.66 | 4 | <1 | <10 | <10 | 1 | <1 | 10 |
| FEB | | | | | | | | | | |
| 23... | 1.5 | 0.71 | 0.38 | 1 | <1 | <10 | <10 | <1 | <1 | <10 |
| MAR | | | | | | | | | | |
| 16.. | 2.0 | 0.60 | 0.32 | 2 | 1 | <10 | <10 | 2 | <1 | <10 |
| APR | | | | | | | | | | |
| 06... | 1.5 | 0.42 | 0.33 | 1 | <1 | <10 | <10 | <1 | <1 | <10 |
| MAY | | | | | | | | | | |
| 11... | 1.4 | 0.57 | 0.24 | <1 | <1 | <10 | <10 | <1 | <1 | <10 |
| JUN | | | | | | | | | | |
| 08... | 0.80 | 0.80 | 0.12 | 2 | 1 | <10 | <10 | <1 | <1 | <10 |
| JUL | | | | | | | | | | |
| 06... | <0.02 | 0.36 | 0.09 | 2 | 1 | <10 | <10 | 1 | <1 | <10 |
| AUG | | | | | | | | | | |
| 03... | 0.30 | 0.57 | 0.09 | 1 | 1 | <10 | <10 | 1 | <1 | <10 |
| SEP | | | | | | | | | | |
| 28... | E0.79 | E0.35 | E0.15 | 3 | 2 | <10 | <10 | <1 | <1 | <10 |

| DATE | CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) | COPPER, DISSOLVED (UG/L AS CU) | IRON, DISSOLVED (UG/L AS FE) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) | LEAD, DISSOLVED (UG/L AS PB) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) | MERCURY DISSOLVED (UG/L AS HG) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) | NICKEL, DISSOLVED (UG/L AS NI) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 27... | <1 | 5 | 5 | <8 | 10 | <5 | <0.1 | 0.1 | 2 | <1 |
| NOV | | | | | | | | | | |
| 18... | <1 | 10 | 3 | <8 | 20 | <5 | <0.1 | <0.1 | <1 | <1 |
| DEC | | | | | | | | | | |
| 09... | <1 | 10 | -- | <8 | 10 | -- | 0.2 | 0.1 | 4 | -- |
| JAN 1988 | | | | | | | | | | |
| 06... | <1 | 30 | 4 | 60 | 20 | <5 | <0.1 | <0.1 | 20 | 1 |
| FEB | | | | | | | | | | |
| 23... | <1 | 10 | 7 | 100 | 10 | <5 | <0.1 | <0.1 | 10 | 3 |
| MAR | | | | | | | | | | |
| 16... | <1 | 10 | 5 | 100 | 10 | <5 | 0.1 | <0.1 | 8 | <1 |
| APR | | | | | | | | | | |
| 06... | <1 | 10 | 3 | 140 | 8 | <5 | <0.1 | <0.1 | 5 | <1 |
| MAY | | | | | | | | | | |
| 11... | <1 | 7 | 3 | 90 | <5 | <5 | <0.1 | 0.1 | 6 | <1 |
| JUN | | | | | | | | | | |
| 08... | <1 | 6 | 5 | 40 | 10 | <5 | 0.3 | <0.1 | 3 | <1 |
| JUL | | | | | | | | | | |
| 06... | <1 | 10 | 6 | 40 | <5 | <5 | 0.1 | <0.1 | 2 | <1 |
| AUG | | | | | | | | | | |
| 03... | 1 | 10 | 9 | 20 | <5 | <5 | 0.3 | 0.3 | 2 | 3 |
| SEP | | | | | | | | | | |
| 28... | <1 | 9 | 5 | 170 | <5 | <5 | <0.1 | <0.1 | 3 | <1 |

< Actual value is known to be less than the value shown.
E Estimated.

## 07374220 MISSISSIPPI RIVER AT UNION, LA--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | SELENIUM, TOTAL (UG/L AS SE) | SELENIUM, DISSOLVED (UG/L AS SE) | VANADIUM, DISSOLVED (UG/L AS V) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) | ZINC, DISSOLVED (UG/L AS ZN) | CARBON, ORGANIC TOTAL (MG/L AS C) | CYANIDE TOTAL (MG/L AS CN) | PHENOLS TOTAL (UG/L) | OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L) |
|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | |
| 27... | <1 | <1 | <1 | 10 | 10 | 4.0 | -- | 2 | 2 |
| NOV | | | | | | | | | |
| 18... | <1 | <1 | 1 | 20 | 10 | 5.1 | <0.01 | 3 | 3 |
| DEC | | | | | | | | | |
| 09... | <1 | -- | <1 | 30 | -- | 7.1 | <0.01 | 11 | 1 |
| JAN 1988 | | | | | | | | | |
| 06... | <1 | <1 | <1 | 70 | 10 | 8.5 | <0.01 | 12 | 4 |
| FEB | | | | | | | | | |
| 23... | <1 | <1 | <1 | 50 | 40 | 8.2 | <0.01 | 6 | 1 |
| MAR | | | | | | | | | |
| 16... | 1 | 1 | 1 | 30 | 10 | 6.6 | <0.01 | 12 | 2 |
| APR | | | | | | | | | |
| 06... | <1 | <1 | <1 | 30 | <10 | 6.3 | <0.01 | 6 | <1 |
| MAY | | | | | | | | | |
| 11... | <1 | <1 | <1 | 20 | <10 | 5.2 | <0.01 | 1 | 2 |
| JUN | | | | | | | | | |
| 08... | <1 | <1 | <1 | 10 | <10 | 4.2 | <0.01 | 3 | <1 |
| JUL | | | | | | | | | |
| 06... | <1 | <1 | <1 | 20 | 10 | 4.4 | <0.01 | 2 | <1 |
| AUG | | | | | | | | | |
| 03... | <1 | <1 | 2 | 20 | 20 | 4.1 | <0.01 | 1 | 4 |
| SEP | | | | | | | | | |
| 28... | <1 | <1 | 2 | 20 | 10 | 3.9 | <0.01 | 5 | 2 |

< Actual value is known to be less than the value shown.

## 07374400 MISSISSIPPI RIVER AT LULING, LA (CE 01290)

LOCATION.--Lat 29°56'19", long 90°21'49", T.13 S., R.21 E., St. Charles Parish, Hydrologic Unit 08090100, cross section of river at Luling-Destrehan ferry crossing, 17 mi west of New Orleans, and at mile 120.6.

DRAINAGE AREA.--1,125,800 mi², arbitrarily determined.

PERIOD OF RECORD.--Water years 1958 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1957 to September 1972, October 1974 to September 1975, October 1976 to current year.
WATER TEMPERATURES: October 1957 to September 1972, October 1977 to current year.
CHLORIDE: October 1974 to September 1975, October 1976 to current year.
SULFATE: October 1974 to September 1975, October 1976 to September 1978.
DISSOLVED SOLIDS: October 1978 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 636 micromhos Oct. 12, 1959; minimum daily, 194 micromhos Dec. 18, 1983.
WATER TEMPERATURES: Maximum daily, 38.5°C July 6, 7, 13, 1984; minimum daily, 2.0°C Jan. 14, 15, 1984.
CHLORIDE: Maximum daily, 69 mg/L June 24, 1977; minimum daily, 10 mg/L Jan. 12, 1988.
SULFATE: Maximum daily, 89 mg/L Oct. 10, 1977; minimum daily, 20 mg/L Feb. 8, Apr. 26, 1978.
DISSOLVED SOLIDS: Maximum, 351 mg/L July 11-20, 1988; minimum, 152 mg/L Dec. 21-31, 1978.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 607 microsiemens July 21; minimum daily, 298 microsiemens Jan. 14.
WATER TEMPERATURES: Maximum daily, 31.5°C July 29-31, Aug. 1, 3, 10, 12, 25; minimum daily, 3.0°C Jan. 14.
CHLORIDE: Maximum daily, 45 mg/L Sept.1, 18, 20; minimum daily, 10 mg/L Jan. 12.
DISSOLVED SOLIDS: Maximum, 351 mg/L July 11-20; minimum, 196 mg/L Feb. 1-10.

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | SPECIFIC CONDUCTANCE (US/CM) | PH (STANDARD UNITS) | TEMPERATURE WATER (DEG C) | COLOR (PLATINUM-COBALT UNITS) | TURBIDITY (NTU) | SETTLEABLE MATTER (ML/L/HR) | OXYGEN, DISSOLVED (MG/L) | OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 27... | 1330 | 570 | 7.90 | 20.0 | 10 | 14 | <1 | 8.1 | 36 | 1.0 |
| NOV | | | | | | | | | | |
| 18... | 1400 | 586 | 7.80 | 16.5 | 5 | 12 | <1 | 9.1 | 50 | 1.2 |
| DEC | | | | | | | | | | |
| 10... | 1130 | 485 | 7.90 | 13.0 | 20 | 50 | <1 | 10.0 | 21 | 1.1 |
| JAN 1988 | | | | | | | | | | |
| 06... | 1330 | 285 | 7.60 | 7.0 | 30 | 100 | <1 | 10.0 | <10 | 1.8 |
| FEB | | | | | | | | | | |
| 23... | 1430 | 335 | 7.86 | 8.0 | 20 | 95 | <1 | 11.6 | 11 | 2.4 |
| MAR | | | | | | | | | | |
| 16... | 1245 | 445 | 7.30 | 10.0 | 10 | 65 | <1 | 8.2 | 89 | -- |
| APR | | | | | | | | | | |
| 06... | 1400 | 403 | 7.80 | 16.5 | 10 | 75 | <1 | 8.7 | <10 | 1.4 |
| MAY | | | | | | | | | | |
| 11... | 1315 | 445 | 7.81 | 21.0 | 10 | 32 | <1 | 8.8 | 11 | 0.8 |
| JUN | | | | | | | | | | |
| 08... | 1030 | 496 | 7.31 | 26.0 | 10 | 7.0 | <1 | 7.5 | 55 | 1.0 |
| JUL | | | | | | | | | | |
| 06... | 1345 | 582 | 7.93 | 30.0 | 5 | 3.5 | <1 | 7.5 | 17 | 1.3 |
| AUG | | | | | | | | | | |
| 03... | 1545 | 528 | 7.55 | 31.0 | 0 | 1.0 | <1 | 5.3 | 32 | 0.9 |
| SEP | | | | | | | | | | |
| 28... | 1045 | 552 | 7.63 | 29.0 | 10 | 3.3 | <1 | 5.7 | 12 | -- |

< Actual value is known to be less than the value shown.

## 07374400 MISSISSIPPI RIVER AT LULING, LA--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) | HARD-NESS TOTAL (MG/L AS CACO3) | CALCIUM DIS-SOLVED (MG/L AS CA) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) | ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DIS-SOLVED (MG/L AS SO4) | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) | RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) | NITRO-GEN, NITRITE TOTAL (MG/L AS N) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987<br>27... | 1300 | 400 | 190 | 46 | 19 | 144 | 56 | 50 | 27 | 0.01 |
| NOV<br>18... | 2500 | 440 | 210 | 52 | 19 | 148 | 69 | 48 | 36 | 0.04 |
| DEC<br>10... | 4400 | 440 | 150 | 37 | 14 | 104 | 55 | 40 | 92 | -- |
| JAN 1988<br>06... | 3700 | 340 | 98 | 26 | 8.0 | 74 | 40 | 18 | 381 | 0.04 |
| FEB<br>23... | 2600 | 240 | 120 | 33 | 9.5 | 80 | 41 | 24 | 201 | 0.04 |
| MAR<br>16... | 860 | 120 | 150 | 42 | 12 | 105 | 46 | 37 | 177 | 0.04 |
| APR<br>06... | 3400 | 260 | 150 | 39 | 12 | 109 | 41 | 28 | 353 | 0.06 |
| MAY<br>11... | 1400 | 140 | 170 | 46 | 14 | 120 | 50 | 30 | 78 | 0.01 |
| JUN<br>08... | 840 | 260 | 190 | 46 | 18 | 133 | 64 | 30 | 20 | 0.02 |
| JUL<br>06... | 160 | 82 | 210 | 53 | 19 | 163 | 73 | 35 | 14 | 0.01 |
| AUG<br>03... | 260 | 70 | 170 | 45 | 15 | 130 | 70 | 34 | 5 | 0.12 |
| SEP<br>28... | 520 | 220 | 180 | 45 | 17 | 136 | 74 | 39 | 13 | E0.01 |

| DATE | NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) | NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) | PHOS-PHOROUS TOTAL (MG/L AS P) | ARSENIC TOTAL (UG/L AS AS) | ARSENIC DIS-SOLVED (UG/L AS AS) | BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE) | BERYL-LIUM, DIS-SOLVED (UG/L AS BE) | CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) | CADMIUM DIS-SOLVED (UG/L AS CD) | CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987<br>27... | <0.02 | 0.35 | 0.02 | 2 | 2 | <10 | <10 | 10 | <1 | <10 |
| NOV<br>18... | 0.97 | 0.50 | 0.19 | 2 | 1 | <10 | <10 | 1 | <1 | <10 |
| DEC<br>10... | -- | 0.87 | -- | 2 | -- | <10 | -- | 1 | -- | <10 |
| JAN 1988<br>06... | 0.99 | 0.95 | 0.78 | 4 | -- | <10 | -- | 1 | -- | 10 |
| FEB<br>23... | 1.5 | 0.62 | 0.51 | 4 | <1 | <10 | <10 | 2 | <1 | <10 |
| MAR<br>16... | 1.9 | 0.69 | 0.41 | 1 | <1 | <10 | <10 | <1 | <1 | <10 |
| APR<br>06... | 1.5 | 0.42 | 0.39 | 2 | <1 | <10 | <10 | <1 | <1 | <10 |
| MAY<br>11... | 1.5 | 0.40 | 0.42 | 1 | <1 | <10 | <10 | <1 | <1 | <10 |
| JUN<br>08... | 0.86 | 0.40 | 0.11 | 1 | 1 | <10 | <10 | <1 | 1 | <10 |
| JUL<br>06... | 0.21 | 0.48 | 0.10 | 2 | 1 | <10 | <10 | 1 | <1 | <10 |
| AUG<br>03... | 0.43 | 0.48 | 0.09 | 1 | 1 | <10 | <10 | <1 | 1 | <10 |
| SEP<br>28... | E0.64 | E0.51 | E0.14 | 2 | 2 | <10 | <10 | <1 | <1 | <10 |

< Actual value is known to be less than the value shown.
E Estimated.
K Results based on colony count outside the acceptable range (non-ideal colony count).

## 07374400 MISSISSIPPI RIVER AT LULING, LA--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) | COPPER, DISSOLVED (UG/L AS CU) | IRON, DISSOLVED (UG/L AS FE) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) | LEAD, DISSOLVED (UG/L AS PB) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) | MERCURY DISSOLVED (UG/L AS HG) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) | NICKEL, DISSOLVED (UG/L AS NI) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 27... | <1 | 7 | 4 | <8 | 8 | <5 | <0.1 | <0.1 | -- | 3 |
| NOV | | | | | | | | | | |
| 18... | <1 | 10 | 5 | <8 | 10 | <5 | <0.1 | <0.1 | 9 | 2 |
| DEC | | | | | | | | | | |
| 10... | <1 | 9 | -- | <8 | 10 | -- | 0.2 | <0.1 | 2 | -- |
| JAN 1988 | | | | | | | | | | |
| 06... | -- | 20 | -- | 60 | 20 | -- | 0.1 | <0.1 | 20 | -- |
| FEB | | | | | | | | | | |
| 23... | <1 | 10 | 8 | 50 | 20 | <5 | <0.1 | <0.1 | 10 | 4 |
| MAR | | | | | | | | | | |
| 16... | <1 | 10 | 4 | 110 | 10 | <5 | <0.1 | <0.1 | 9 | <1 |
| APR | | | | | | | | | | |
| 06... | <1 | 10 | 4 | 120 | 9 | <5 | <0.1 | 0.2 | 7 | 1 |
| MAY | | | | | | | | | | |
| 11... | <1 | 10 | 4 | 180 | 20 | <5 | 0.3 | 0.1 | <1 | <1 |
| JUN | | | | | | | | | | |
| 08... | <0 | 9 | 5 | 60 | <5 | <5 | 0.1 | <0.1 | 2 | <1 |
| JUL | | | | | | | | | | |
| 06... | <1 | 10 | 7 | 20 | 80 | <5 | 0.3 | <0.1 | 4 | <1 |
| AUG | | | | | | | | | | |
| 03... | 1 | 8 | 9 | 20 | <5 | <5 | 0.2 | 0.3 | 2 | 3 |
| SEP | | | | | | | | | | |
| 28... | <1 | 8 | 5 | 40 | 10 | <5 | <0.1 | 0.1 | <1 | <1 |

| DATE | SELENIUM, TOTAL (UG/L AS SE) | SELENIUM, DISSOLVED (UG/L AS SE) | VANADIUM, DISSOLVED (UG/L AS V) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) | ZINC, DISSOLVED (UG/L AS ZN) | CARBON, ORGANIC TOTAL (MG/L AS C) | CYANIDE TOTAL (MG/L AS CN) | PHENOLS TOTAL (UG/L) | OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L) |
|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | |
| 27... | <1 | <1 | <1 | 20 | 10 | 4.5 | -- | 3 | 1 |
| NOV | | | | | | | | | |
| 18... | <1 | <1 | 1 | 20 | 20 | 4.0 | <0.01 | 12 | 1 |
| DEC | | | | | | | | | |
| 10... | <1 | -- | <1 | 20 | -- | 6.1 | <0.01 | 11 | 2 |
| JAN 1988 | | | | | | | | | |
| 06... | <1 | -- | <1 | 50 | -- | 13 | <0.01 | 6 | 3 |
| FEB | | | | | | | | | |
| 23... | <1 | <1 | <1 | 50 | 40 | 8.0 | <0.01 | 9 | 1 |
| MAR | | | | | | | | | |
| 16... | <1 | <1 | <1 | 30 | 10 | 6.6 | <0.01 | 16 | 1 |
| APR | | | | | | | | | |
| 06... | <1 | <1 | <1 | 30 | 10 | 5.6 | <0.01 | 5 | 1 |
| MAY | | | | | | | | | |
| 11... | <1 | <1 | <1 | 20 | <10 | 5.3 | <0.01 | 4 | 2 |
| JUN | | | | | | | | | |
| 08... | <1 | <1 | <1 | 10 | <10 | 3.9 | <0.01 | 1 | 2 |
| JUL | | | | | | | | | |
| 06... | <1 | <1 | <1 | 10 | 10 | 3.6 | <0.01 | 1 | 1 |
| AUG | | | | | | | | | |
| 03... | <1 | <1 | 2 | 20 | 20 | 4.0 | <0.01 | 1 | <1 |
| SEP | | | | | | | | | |
| 28... | <1 | <1 | 2 | 20 | 20 | 4.1 | <0.01 | <1 | 2 |

< Actual value is known to be less than the value shown.

## 07374400 MISSISSIPPI RIVER AT LULING, LA--Continued

### SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
ONCE-DAILY

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 524 | 568 | 450 | --- | 339 | 386 | 417 | 434 | 469 | 577 | 497 | 568 |
| 2 | 546 | 564 | 451 | --- | 340 | 386 | 414 | 436 | 503 | 578 | 498 | 567 |
| 3 | 558 | 575 | 479 | --- | 340 | 387 | 415 | 435 | 469 | 575 | 504 | 568 |
| 4 | 555 | 567 | 479 | --- | 337 | 408 | 415 | 434 | 503 | 575 | 546 | 567 |
| 5 | 533 | 596 | 480 | --- | 336 | 420 | 415 | 436 | 503 | 571 | 577 | 519 |
| 6 | 560 | 596 | 481 | --- | 338 | 418 | 416 | 436 | 502 | 572 | 543 | 519 |
| 7 | 555 | 578 | 480 | 347 | 342 | 398 | 415 | --- | 504 | 569 | 545 | 565 |
| 8 | 526 | --- | 479 | 338 | 344 | 394 | 416 | --- | 502 | 596 | 546 | 519 |
| 9 | 512 | 594 | 480 | 300 | 343 | 413 | 424 | 454 | 501 | 580 | 500 | 520 |
| 10 | 526 | 601 | 480 | 303 | 344 | 412 | 433 | 454 | 501 | 592 | 497 | 519 |
| 11 | 545 | 600 | 478 | 307 | 344 | 384 | 417 | 464 | 500 | 591 | 498 | 520 |
| 12 | 519 | 594 | 480 | 327 | 343 | 373 | 451 | 467 | 493 | 595 | 514 | 519 |
| 13 | --- | 601 | 488 | 309 | 344 | 369 | 442 | 469 | 495 | 591 | 541 | 519 |
| 14 | 523 | 603 | 493 | 298 | 344 | 445 | 446 | 494 | 493 | 591 | 500 | --- |
| 15 | --- | --- | 495 | 318 | 344 | 461 | 388 | 464 | 494 | 591 | 499 | --- |
| 16 | 553 | --- | 496 | 321 | 341 | 464 | --- | 466 | 500 | 581 | 539 | --- |
| 17 | 526 | --- | 497 | 325 | 341 | 463 | 389 | 464 | --- | 605 | 548 | --- |
| 18 | 550 | 600 | 496 | 326 | 344 | 459 | 436 | 465 | 502 | 571 | 541 | 568 |
| 19 | 575 | 600 | 497 | 320 | 342 | 411 | 414 | 469 | 531 | 572 | 546 | 567 |
| 20 | 571 | 576 | 495 | 314 | 346 | 469 | 413 | 469 | 530 | 604 | 567 | 568 |
| 21 | 500 | 476 | 327 | 314 | 350 | 411 | 413 | 496 | 502 | 607 | 547 | 567 |
| 22 | 502 | 470 | 328 | 351 | 347 | 409 | 412 | 494 | 504 | 603 | 543 | --- |
| 23 | 563 | 466 | 496 | 350 | 361 | 409 | 412 | 494 | 504 | 582 | 549 | --- |
| 24 | 564 | 442 | --- | 350 | 359 | --- | 413 | 493 | 572 | 606 | 520 | 540 |
| 25 | 567 | 438 | --- | 349 | 360 | --- | 418 | 494 | 571 | 576 | 519 | 541 |
| 26 | 566 | 439 | --- | 348 | 362 | 421 | 435 | 494 | 572 | 576 | 519 | 541 |
| 27 | 577 | 438 | --- | 340 | 361 | 408 | 412 | 495 | 574 | --- | 566 | --- |
| 28 | 565 | 471 | --- | 351 | 369 | 420 | 435 | 493 | 577 | 561 | 570 | --- |
| 29 | 575 | 450 | --- | 351 | 382 | 419 | 434 | 495 | 575 | 566 | --- | --- |
| 30 | 567 | 446 | --- | 350 | --- | --- | 434 | 493 | --- | 562 | --- | --- |
| 31 | 571 | --- | --- | --- | --- | --- | --- | 494 | --- | 563 | --- | --- |
| MAX | 577 | 603 | --- | --- | 382 | 469 | 451 | 496 | 577 | 607 | 577 | 568 |
| MIN | 500 | 438 | --- | --- | 336 | 369 | 388 | 434 | 469 | 561 | 497 | 519 |

### TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
ONCE-DAILY

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 25.5 | 19.5 | 13.5 | 7.5 | 5.5 | 8.0 | 14.5 | 18.5 | 23.5 | 29.5 | 31.5 | 30.5 |
| 2 | 25.5 | 19.0 | 13.0 | 7.5 | 5.0 | 8.5 | 14.5 | 19.0 | 24.5 | 29.5 | 31.0 | 30.5 |
| 3 | 28.5 | 19.0 | 12.5 | 7.0 | 5.5 | 8.5 | 15.5 | 19.0 | 25.5 | 29.5 | 31.5 | 31.0 |
| 4 | 27.5 | 18.0 | 12.5 | 7.0 | 6.0 | 9.0 | 16.0 | 19.0 | 24.5 | 30.0 | 30.0 | 30.5 |
| 5 | 26.0 | 19.0 | 13.0 | 6.0 | 4.5 | 8.5 | 15.5 | 20.0 | 26.0 | 28.5 | 30.5 | 31.0 |
| 6 | 28.5 | 19.5 | 12.0 | 6.5 | 5.5 | 9.0 | 16.0 | 20.0 | 25.5 | 29.5 | 30.5 | 29.5 |
| 7 | 29.0 | 18.0 | 13.5 | 5.0 | 6.0 | 9.5 | 16.0 | --- | 26.0 | 29.0 | 30.0 | 29.0 |
| 8 | 24.0 | --- | 12.5 | 5.5 | 5.5 | 9.5 | 16.5 | --- | 26.5 | 30.0 | 30.0 | 28.5 |
| 9 | 23.0 | 18.5 | 13.0 | 4.5 | 6.0 | 10.5 | 17.0 | 20.0 | 27.5 | 30.0 | 30.0 | 29.5 |
| 10 | 23.5 | 18.0 | 12.5 | 5.0 | 5.5 | 10.0 | 16.5 | 21.0 | 27.5 | 28.5 | 31.5 | 29.0 |
| 11 | 22.0 | 17.5 | 12.0 | 5.0 | 6.0 | 10.0 | 15.0 | 18.5 | 26.5 | 28.0 | 31.0 | 28.0 |
| 12 | 22.0 | 17.0 | 12.0 | 3.5 | 6.5 | 9.5 | 15.5 | 18.5 | 29.0 | 30.5 | 31.5 | 28.5 |
| 13 | --- | 17.5 | 11.5 | 3.5 | 5.5 | 9.5 | 17.0 | 19.5 | 27.5 | 29.5 | 30.0 | 28.0 |
| 14 | 20.5 | 17.0 | 12.0 | 3.0 | 6.0 | 9.0 | 17.0 | 23.5 | 28.5 | 30.0 | 30.0 | --- |
| 15 | --- | 15.5 | 12.5 | 6.0 | 7.0 | 10.0 | 17.0 | 19.5 | 28.0 | 30.5 | 30.5 | --- |
| 16 | 21.5 | 16.0 | 12.5 | 5.5 | 7.5 | 10.0 | 17.5 | 22.5 | 29.0 | 30.0 | 30.5 | --- |
| 17 | 21.5 | 16.5 | 12.0 | 5.5 | 7.0 | 10.0 | 17.5 | 23.0 | --- | 29.5 | 30.5 | --- |
| 18 | 18.5 | 16.5 | 11.5 | 6.0 | 6.0 | 10.0 | 17.0 | 23.5 | 27.5 | 30.0 | 30.5 | 29.0 |
| 19 | 21.0 | 15.5 | 12.0 | 5.0 | 5.5 | 10.0 | 18.0 | 23.0 | 27.0 | 30.0 | 30.5 | 28.5 |
| 20 | 20.5 | 15.5 | 11.0 | 4.0 | 6.5 | 10.5 | 17.5 | 23.5 | 27.5 | 30.5 | 31.0 | 29.0 |
| 21 | 20.0 | 16.0 | 10.5 | 5.0 | 7.0 | 10.5 | 17.0 | 24.5 | 28.5 | 30.0 | 30.0 | 28.5 |
| 22 | 20.0 | 15.5 | 10.5 | 4.5 | 7.0 | 10.5 | 16.5 | 22.5 | 28.0 | 30.0 | 31.0 | --- |
| 23 | 19.5 | 15.5 | 9.5 | 4.0 | 6.5 | 10.5 | 17.0 | 24.5 | 27.5 | 30.0 | 31.0 | --- |
| 24 | 20.0 | 14.5 | 9.5 | 5.5 | 7.0 | --- | 18.0 | 24.5 | 27.0 | 31.0 | 31.0 | 29.0 |
| 25 | 20.5 | 14.0 | 10.5 | 5.0 | 7.0 | --- | 18.5 | 24.0 | 29.0 | 30.0 | 31.5 | 29.5 |
| 26 | 21.0 | 15.0 | 10.0 | 5.5 | 7.0 | 12.5 | 19.5 | 23.5 | 29.0 | 29 0 | 31.0 | 29.5 |
| 27 | 20.5 | 14.5 | 10.5 | 6.0 | 7.0 | 12.5 | 19.0 | 24.5 | 29.5 | --- | 31.0 | --- |
| 28 | 20.0 | 13.5 | 9.5 | 6.5 | 7.5 | 13.0 | 16.5 | 25.0 | 29.0 | 31.0 | 31.0 | --- |
| 29 | 19.0 | 14.0 | 8.5 | 7.0 | 8.0 | 13.5 | 17.0 | 25.5 | 29.5 | 31.5 | --- | --- |
| 30 | 19.0 | 13.5 | 8.5 | 6.5 | --- | --- | 17.5 | 25.0 | --- | 31.5 | --- | --- |
| 31 | 20.0 | --- | --- | --- | --- | --- | --- | 24.5 | --- | 31.5 | --- | --- |
| MAX | 29.0 | 19.5 | 13.5 | 7.5 | 8.0 | 13.5 | 19.5 | 25.5 | 29.5 | 31.5 | 31.5 | 31.0 |
| MIN | 18.5 | 13.5 | 8.5 | 3.0 | 4.5 | 8.0 | 14.5 | 18.5 | 23.5 | 28.0 | 30.0 | 28.0 |

## 07374400 MISSISSIPPI RIVER AT LULING, LA--Continued

### CHLORIDE, WATER, DISSOLVED, (MG/L AS CL), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### ONCE-DAILY

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 31 | 40 | 34 | --- | 18 | 35 | 24 | 29 | 29 | 30 | 37 | 45 |
| 2 | 39 | 38 | 34 | --- | 18 | 27 | 26 | 27 | 29 | 31 | 38 | 42 |
| 3 | 38 | 34 | 36 | --- | 18 | 24 | 25 | 29 | 28 | 31 | 37 | 44 |
| 4 | 38 | 41 | 38 | --- | 20 | 24 | 24 | 28 | 28 | 31 | 36 | 43 |
| 5 | 35 | 41 | 34 | --- | 16 | 27 | 23 | 26 | 31 | 34 | 37 | 41 |
| 6 | 36 | 44 | 34 | --- | 19 | 26 | --- | 24 | 29 | 32 | 40 | 42 |
| 7 | 36 | 38 | 34 | 16 | 19 | 22 | 26 | --- | 32 | 33 | 37 | 42 |
| 8 | 32 | --- | 34 | 15 | 19 | 22 | 26 | --- | 30 | 32 | 34 | 40 |
| 9 | 31 | 39 | 38 | 16 | 19 | 22 | 25 | 28 | 32 | 34 | 38 | 39 |
| 10 | 27 | 37 | --- | 16 | 19 | 29 | 27 | 28 | 30 | 36 | 38 | 41 |
| 11 | 36 | 33 | 36 | 15 | 17 | 23 | 25 | --- | 32 | 36 | 37 | 42 |
| 12 | 35 | 37 | 31 | 10 | 17 | 23 | 34 | 29 | 30 | 36 | 37 | 40 |
| 13 | --- | 38 | 37 | 16 | 19 | 24 | 39 | 29 | 30 | 37 | 40 | 40 |
| 14 | 38 | 35 | 33 | 16 | 18 | 33 | 36 | 31 | 30 | 36 | 37 | --- |
| 15 | --- | --- | 34 | 17 | 19 | 36 | 22 | 28 | 30 | 36 | 39 | --- |
| 16 | 40 | --- | 34 | 18 | 18 | 36 | --- | 26 | 31 | 33 | 40 | --- |
| 17 | 43 | --- | 33 | 18 | 20 | 36 | 24 | 28 | --- | 41 | 41 | --- |
| 18 | 38 | --- | 32 | 18 | 18 | 35 | 28 | 27 | 31 | 34 | 41 | 45 |
| 19 | 44 | 37 | 30 | 17 | 18 | 28 | 27 | 28 | 36 | 35 | 40 | 43 |
| 20 | 42 | 31 | 33 | 16 | 20 | 32 | 26 | 26 | 30 | 39 | 38 | 45 |
| 21 | 42 | 40 | 18 | 17 | 19 | 28 | 24 | 30 | 32 | 40 | 40 | 42 |
| 22 | 36 | 40 | 18 | 19 | 20 | 28 | 25 | 28 | 30 | 43 | 39 | --- |
| 23 | 36 | 38 | 30 | 18 | --- | 29 | 28 | 31 | 31 | 35 | 42 | --- |
| 24 | 40 | 35 | 16 | 19 | 21 | --- | 27 | 27 | 31 | 41 | 40 | 38 |
| 25 | 39 | 34 | 18 | 20 | 21 | --- | 28 | 30 | 33 | 36 | 40 | 38 |
| 26 | 41 | 34 | --- | 22 | 21 | 32 | 30 | 28 | 34 | 35 | 40 | 37 |
| 27 | 37 | 30 | --- | 18 | 20 | 25 | 25 | 30 | 35 | --- | 42 | --- |
| 28 | 37 | 38 | --- | 20 | 20 | 29 | 27 | 31 | 30 | --- | 39 | --- |
| 29 | 41 | 36 | --- | 18 | 23 | 32 | 28 | 31 | 33 | 39 | --- | --- |
| 30 | --- | 32 | --- | 19 | --- | 29 | 29 | 28 | --- | 38 | --- | --- |
| 31 | 43 | --- | --- | --- | --- | 29 | --- | 30 | --- | 38 | --- | --- |
| MAX | 44 | 44 | --- | --- | 23 | 36 | 39 | 31 | 36 | 43 | 42 | 45 |
| MIN | 27 | 30 | --- | --- | 16 | 22 | 22 | 24 | 28 | 30 | 34 | 37 |

| DATE | SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) | DATE | SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) |
|---|---|---|---|
| OCT | | APR | |
| 01-10 | 300 | 01-10 | 266 |
| 11-20 | 310 | 11-20 | 260 |
| 21-31 | 320 | 21-30 | 264 |
| NOV | | MAY | |
| 01-10 | 325 | 01-10 | 280 |
| 11-20 | 310 | 11-20 | 282 |
| 21-30 | 286 | 21-31 | 287 |
| DEC | | JUN | |
| 01-10 | 299 | 01-10 | 295 |
| 11-20 | 282 | 11-20 | 295 |
| 21-31 | 213 | 21-30 | 317 |
| JAN 1988 | | JUL | |
| 01-10 | 203 | 01-10 | 337 |
| 11-20 | 198 | 11-20 | 351 |
| 21-31 | 198 | 21-31 | 320 |
| FEB | | AUG | |
| 01-10 | 196 | 01-10 | 303 |
| 11-20 | 206 | 11-20 | 303 |
| 21-29 | 219 | 21-31 | 308 |
| MAR | | SEP | |
| 01-10 | 270 | 01-10 | 310 |
| 11-20 | 262 | 11-20 | 315 |
| 21-31 | 258 | 21-30 | 325 |

## 07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA

LOCATION.--Lat 29°57'03", long 90°08'17", Jefferson-Orleans Parish line, Hydrologic Unit 08090100, at Carrollton Street Municipal Water Plant intakes and at mile 103.8.

DRAINAGE AREA.--1,125,900 $mi^2$ arbitrarily determined.

PERIOD OF RECORD.--Water years 1905-06, 1951-52, 1954-55, 1967 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: August 1954 to September 1955, October 1968 to current year.
pH: October 1976 to current year.
WATER TEMPERATURES: August 1954 to September 1955, November 1970 to current year.
DISSOLVED OXYGEN: October 1968 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1968.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 685 microsiemens July 12, 1988; minimum, 200 microsiemens May 1, 1975.
pH: Maximum, 8.30 units July 13, 1988; minimum, 6.8 units Apr. 9, May 1-5, 1980.
WATER TEMPERATURES: Maximum, 34.0°C Aug. 26, 1988; minimum, 1.5°C Feb. 6-14, 1978, Jan. 7, 8, 1984.
DISSOLVED OXYGEN: Maximum, 13.9 mg/L Feb. 23, 24, 1976, Jan. 27-29, 1982; minimum, 3.8 mg/L July 23, Aug. 1, 1969, Aug. 26, 1977.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 685 microsiemens July 12; minimum, 263 microsiemens Jan. 12.
pH: Maximum, 8.30 units July 13; minimum 7.45 units Sept 25.
WATER TEMPERATURES: Maximum, 34.0°C Aug. 26; minimum, 3.5°C Jan. 15-17.
DISSOLVED OXYGEN: Maximum, 11.4 mg/L Feb. 1, 2; minimum, 4.0 mg/L Aug. 20, 27-31.

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | SPECIFIC CONDUCTANCE (US/CM) | PH (STANDARD UNITS) | TEMPERATURE WATER (DEG C) | COLOR (PLATINUM-COBALT UNITS) | TURBIDITY (NTU) | OXYGEN, DISSOLVED (MG/L) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) |
|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | |
| 28... | 1000 | 564 | 7.90 | 20.0 | 10 | 7.5 | 8.1 | 0.8 | 180 |
| JAN | | | | | | | | | |
| 07... | 1045 | 285 | 7.60 | 6.5 | 30 | 100 | 10.3 | 2.3 | 500 |
| APR | | | | | | | | | |
| 07... | 1200 | 409 | 7.90 | 16.5 | 10 | 50 | 8.8 | 1.1 | K350 |
| JUL | | | | | | | | | |
| 07... | 1100 | 608 | 8.00 | 29.5 | 5 | 1.5 | 7.9 | 1.9 | 150 |
| SEP | | | | | | | | | |
| 28... | 1230 | 564 | 7.97 | 30.0 | 10 | 3.5 | 5.6 | 0.5 | 260 |

| DATE | STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) | HARDNESS TOTAL (MG/L AS CACO3) | CALCIUM DISSOLVED (MG/L AS CA) | MAGNESIUM, DISSOLVED (MG/L AS MG) | SODIUM, DISSOLVED (MG/L AS NA) | POTASSIUM, DISSOLVED (MG/L AS K) | ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DISSOLVED (MG/L AS SO4) |
|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | |
| 28... | 280 | 200 | 47 | 20 | 36 | 4.4 | 151 | 59 |
| JAN | | | | | | | | |
| 07... | 450 | 100 | 27 | 8.5 | 14 | 2.5 | 78 | 39 |
| APR | | | | | | | | |
| 07... | 200 | 150 | 40 | 12 | 20 | 2.8 | 106 | 41 |
| JUL | | | | | | | | |
| 07... | K10 | 210 | 52 | 20 | 34 | 5.0 | 161 | 73 |
| SEP | | | | | | | | |
| 28... | K10 | 190 | 45 | 20 | 45 | 4.5 | 138 | -- |

K Results based on colony count outside the acceptable range (non-ideal colony count).

## 07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | CHLO- RIDE, DIS- SOLVED (MG/L AS CL) | FLUO- RIDE, DIS- SOLVED (MG/L AS F) | SILICA, DIS- SOLVED (MG/L AS SIO2) | SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) | SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) | NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) | NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) | PHOS- PHOROUS TOTAL (MG/L AS P) |
|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | |
| 28... | 40 | 0.3 | -- | 323 | 297 | 0.03 | 0.96 | 0.02 |
| JAN | | | | | | | | |
| 07... | 18 | <0.1 | 5.1 | 163 | 161 | 1.0 | 0.40 | 0.07 |
| APR | | | | | | | | |
| 07... | 30 | 0.2 | -- | 198 | 210 | 1.5 | 0.68 | 0.27 |
| JUL | | | | | | | | |
| 07... | 39 | 0.7 | 0.20 | 348 | 320 | -- | -- | -- |
| SEP | | | | | | | | |
| 28... | 41 | -- | -- | 311 | -- | E0.67 | E0.56 | E0.15 |

< Actual value is known to be less than the value shown.
E Estimated.

## 07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA

### SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DAY | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | OCTOBER | | NOVEMBER | | DECEMBER | | JANUARY | | FEBRUARY | | MARCH | |
| 1 | 506 | 484 | 587 | 580 | 454 | 444 | 438 | 392 | 328 | 322 | 361 | 357 |
| 2 | 526 | 505 | 582 | 576 | 467 | 454 | 390 | 343 | 327 | 319 | 362 | 362 |
| 3 | 542 | 528 | 580 | 575 | 475 | 468 | 341 | 316 | 319 | 312 | 363 | 358 |
| 4 | 542 | 525 | 590 | 583 | 487 | 475 | 315 | 310 | 314 | 311 | 382 | 362 |
| 5 | 528 | 522 | 588 | 584 | 510 | 488 | 309 | 292 | 314 | 310 | 394 | 383 |
| 6 | 527 | 517 | 591 | 577 | 509 | 502 | 292 | 284 | 314 | 310 | 394 | 385 |
| 7 | 520 | 515 | 577 | 569 | 501 | 489 | 284 | 280 | 312 | 306 | 386 | 374 |
| 8 | 524 | 521 | 598 | 572 | 518 | 499 | 283 | 280 | 308 | 304 | 375 | 367 |
| 9 | 531 | 523 | 596 | 581 | 519 | 504 | 283 | 281 | 310 | 306 | 371 | 369 |
| 10 | 538 | 532 | 618 | 595 | 503 | 489 | 281 | 276 | 324 | 310 | 377 | 370 |
| 11 | 547 | 539 | 613 | 604 | 489 | 466 | 276 | 269 | 335 | 325 | 390 | 378 |
| 12 | 568 | 548 | 605 | 594 | 468 | 463 | 270 | 263 | 346 | 335 | 421 | 388 |
| 13 | 572 | 558 | 598 | 594 | 474 | 467 | 268 | 264 | 350 | 335 | 431 | 422 |
| 14 | 565 | 559 | 613 | 596 | 482 | 474 | 271 | 265 | 337 | 325 | 427 | 411 |
| 15 | 567 | 558 | 614 | 599 | 476 | 466 | 272 | 268 | 328 | 325 | 420 | 410 |
| 16 | 567 | 558 | 599 | 589 | 468 | 459 | 274 | 272 | 326 | 316 | 439 | 421 |
| 17 | 571 | 566 | 592 | 583 | 467 | 459 | 275 | 274 | 317 | 311 | 439 | 434 |
| 18 | 583 | 569 | 606 | 593 | 482 | 469 | 280 | 275 | 313 | 306 | 434 | 419 |
| 19 | 590 | 580 | 616 | 597 | 483 | 477 | 286 | 280 | 315 | 307 | 419 | 396 |
| 20 | 600 | 590 | 600 | 587 | 485 | 477 | 291 | 285 | 317 | 310 | 395 | 381 |
| 21 | 614 | 599 | 591 | 567 | 478 | 471 | 300 | 291 | 320 | 310 | 385 | 380 |
| 22 | 598 | 594 | 579 | 539 | 471 | 467 | 309 | 299 | 319 | 316 | 387 | 380 |
| 23 | 596 | 588 | 536 | 496 | 475 | 470 | 318 | 309 | 321 | 318 | 380 | 378 |
| 24 | 588 | 562 | 522 | 502 | 473 | 469 | 324 | 316 | 326 | 322 | 382 | 378 |
| 25 | 562 | 547 | 541 | 522 | 470 | 463 | 327 | 323 | 325 | 322 | 387 | 380 |
| 26 | 556 | 542 | 546 | 539 | 464 | 450 | 334 | 326 | 334 | 325 | 397 | 386 |
| 27 | 547 | 541 | 537 | 509 | 448 | 436 | 328 | 321 | 342 | 333 | 409 | 399 |
| 28 | 562 | 546 | 507 | 475 | 436 | 430 | 322 | 303 | 347 | 337 | 410 | 404 |
| 29 | 579 | 562 | 473 | 448 | 435 | 424 | 305 | 300 | 357 | 347 | 408 | 393 |
| 30 | 598 | 578 | 450 | 443 | 427 | 422 | 326 | 306 | --- | --- | 411 | 394 |
| 31 | 591 | 580 | --- | --- | 438 | 428 | 329 | 321 | --- | --- | 414 | 408 |
| MONTH | 614 | 484 | 618 | 443 | 519 | 422 | 438 | 263 | 357 | 304 | 439 | 357 |
| | APRIL | | MAY | | JUNE | | JULY | | AUGUST | | SEPTEMBER | |
| 1 | 412 | 406 | 405 | 399 | 506 | 502 | 609 | 600 | 596 | 561 | 583 | 567 |
| 2 | 403 | 390 | 414 | 404 | 509 | 503 | 599 | 585 | 560 | 545 | 577 | 567 |
| 3 | 402 | 390 | 430 | 411 | 509 | 506 | 595 | 591 | 545 | 536 | 587 | 577 |
| 4 | 391 | 370 | 433 | 426 | 513 | 507 | 599 | 594 | 562 | 535 | 592 | 585 |
| 5 | 386 | 358 | 433 | 429 | 515 | 510 | 598 | 594 | 560 | 540 | 600 | 593 |
| 6 | 388 | 384 | 431 | 428 | 515 | 513 | 607 | 595 | 559 | 541 | 592 | 576 |
| 7 | 394 | 384 | 437 | 432 | 515 | 508 | 606 | 599 | 572 | 560 | 579 | 575 |
| 8 | 394 | 390 | 441 | 436 | 513 | 508 | 610 | 598 | --- | --- | 588 | 581 |
| 9 | 404 | 396 | 444 | 439 | 518 | 508 | 628 | 604 | --- | --- | 584 | 575 |
| 10 | 409 | 404 | 448 | 439 | 511 | 503 | 631 | 606 | --- | --- | 580 | 573 |
| 11 | 416 | 410 | 451 | 446 | 522 | 509 | 657 | 616 | --- | --- | 582 | 556 |
| 12 | 430 | 416 | 455 | 451 | 510 | 506 | 685 | 626 | 556 | 538 | 555 | 460 |
| 13 | 429 | 407 | 463 | 452 | 508 | 503 | 674 | 624 | 535 | 521 | 503 | 457 |
| 14 | 405 | 371 | 468 | 461 | 507 | 504 | 657 | 631 | 537 | 523 | 536 | 503 |
| 15 | 370 | 361 | 470 | 463 | 513 | 503 | 662 | 631 | 555 | 535 | 544 | 536 |
| 16 | 373 | 363 | 468 | 464 | 520 | 510 | 655 | 625 | 567 | 557 | 544 | 537 |
| 17 | 392 | 373 | 474 | 466 | 525 | 517 | 654 | 622 | 565 | 560 | 551 | 540 |
| 18 | 415 | 393 | 477 | 474 | 532 | 526 | 643 | 621 | 584 | 566 | 556 | 548 |
| 19 | 426 | 414 | 481 | 475 | 529 | 525 | 643 | 605 | 590 | 583 | 560 | 552 |
| 20 | 423 | 419 | 484 | 480 | 540 | 526 | 660 | 594 | 593 | 587 | 581 | 561 |
| 21 | 420 | 416 | 484 | 473 | 557 | 540 | 638 | 596 | 593 | 577 | 598 | 582 |
| 22 | 422 | 415 | 483 | 479 | 567 | 552 | 630 | 601 | 579 | 569 | 594 | 588 |
| 23 | 416 | 412 | 483 | 480 | 580 | 569 | 675 | 627 | 577 | 566 | 588 | 579 |
| 24 | 412 | 401 | 481 | 476 | 587 | 580 | 641 | 624 | 576 | 569 | 583 | 519 |
| 25 | 400 | 392 | 479 | 470 | 605 | 588 | 636 | 615 | 579 | 570 | 517 | 492 |
| 26 | 394 | 390 | 473 | 470 | 600 | 592 | 627 | 614 | 584 | 577 | 553 | 521 |
| 27 | 399 | 390 | 488 | 472 | 608 | 600 | 619 | 596 | 596 | 580 | 571 | 554 |
| 28 | 397 | 390 | 487 | 477 | 600 | 592 | 614 | 597 | 597 | 585 | 581 | 569 |
| 29 | 396 | 391 | 479 | 476 | 608 | 600 | 608 | 601 | 591 | 585 | 578 | 570 |
| 30 | 399 | 395 | 487 | 479 | 605 | 597 | 610 | 606 | 593 | 584 | 578 | 569 |
| 31 | --- | --- | 501 | 489 | --- | --- | 606 | 595 | 587 | 577 | --- | --- |
| MONTH | 430 | 358 | 501 | 399 | 608 | 502 | 685 | 585 | 597 | 521 | 600 | 457 |

## 07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA

### PH (STANDARD UNITS), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DAY | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | OCTOBER | | NOVEMBER | | DECEMBER | | JANUARY | | FEBRUARY | | MARCH | |
| 1 | 7.70 | 7.67 | 7.81 | 7.78 | 7.69 | 7.63 | 7.82 | 7.76 | 7.80 | 7.77 | 7.71 | 7.69 |
| 2 | 7.76 | 7.69 | 7.81 | 7.78 | 7.72 | 7.65 | 7.77 | 7.71 | 7.80 | 7.77 | 7.74 | 7.70 |
| 3 | 7.85 | 7.74 | 7.80 | 7.75 | 7.74 | 7.68 | 7.78 | 7.72 | 7.77 | 7.74 | 7.73 | 7.70 |
| 4 | 7.93 | 7.84 | 7.75 | 7.74 | 7.78 | 7.69 | 7.78 | 7.74 | 7.75 | 7.73 | 7.74 | 7.73 |
| 5 | 7.93 | 7.81 | 7.74 | 7.72 | 7.85 | 7.71 | 7.77 | 7.73 | 7.75 | 7.70 | 7.73 | 7.72 |
| 6 | 7.82 | 7.76 | 7.76 | 7.73 | 7.75 | 7.70 | 7.77 | 7.73 | 7.71 | 7.69 | 7.73 | 7.71 |
| 7 | 7.80 | 7.76 | 7.76 | 7.72 | 7.75 | 7.69 | 7.78 | 7.75 | 7.72 | 7.67 | 7.73 | 7.70 |
| 8 | 7.77 | 7.74 | 7.76 | 7.73 | 7.78 | 7.71 | 7.78 | 7.76 | 7.71 | 7.67 | 7.71 | 7.70 |
| 9 | 7.75 | 7.69 | 7.79 | 7.75 | 7.78 | 7.72 | 7.77 | 7.76 | 7.72 | 7.69 | 7.72 | 7.71 |
| 10 | 7.75 | 7.71 | 7.81 | 7.79 | 7.81 | 7.72 | 7.77 | 7.75 | 7.72 | 7.71 | 7.72 | 7.70 |
| 11 | 7.74 | 7.70 | 7.81 | 7.78 | 7.77 | 7.72 | 7.76 | 7.74 | 7.74 | 7.72 | 7.74 | 7.70 |
| 12 | 7.76 | 7.72 | 7.83 | 7.80 | 7.80 | 7.72 | 7.74 | 7.71 | 7.77 | 7.73 | 7.74 | 7.71 |
| 13 | 7.79 | 7.74 | 7.83 | 7.81 | 7.82 | 7.80 | 7.76 | 7.73 | 7.77 | 7.75 | 7.73 | 7.70 |
| 14 | 7.78 | 7.71 | 7.83 | 7.80 | 7.84 | 7.78 | 7.75 | 7.68 | 7.75 | 7.72 | 7.73 | 7.71 |
| 15 | 7.77 | 7.72 | 7.85 | 7.83 | 7.87 | 7.79 | 7.78 | 7.68 | 7.73 | 7.70 | 7.74 | 7.70 |
| 16 | 7.77 | 7.73 | 7.86 | 7.82 | 7.85 | 7.80 | 7.78 | 7.70 | 7.72 | 7.69 | 7.73 | 7.67 |
| 17 | 7.75 | 7.70 | 7.86 | 7.83 | 7.86 | 7.80 | 7.74 | 7.70 | 7.72 | 7.68 | 7.76 | 7.71 |
| 18 | 7.73 | 7.69 | 7.86 | 7.83 | 7.88 | 7.79 | 7.74 | 7.73 | 7.73 | 7.71 | 7.74 | 7.72 |
| 19 | 7.74 | 7.69 | 7.90 | 7.85 | 7.89 | 7.80 | 7.75 | 7.73 | 7.73 | 7.71 | 7.77 | 7.73 |
| 20 | 7.71 | 7.67 | 7.91 | 7.87 | 7.91 | 7.82 | 7.75 | 7.73 | 7.73 | 7.69 | 7.75 | 7.70 |
| 21 | 7.74 | 7.69 | 7.92 | 7.86 | 7.90 | 7.85 | 7.83 | 7.72 | 7.72 | 7.69 | 7.72 | 7.69 |
| 22 | 7.77 | 7.72 | 7.91 | 7.73 | 7.91 | 7.85 | 7.85 | 7.83 | 7.71 | 7.68 | 7.73 | 7.68 |
| 23 | 7.73 | 7.71 | 7.72 | 7.64 | 7.90 | 7.84 | 7.85 | 7.81 | 7.70 | 7.66 | 7.71 | 7.69 |
| 24 | 7.75 | 7.72 | 7.80 | 7.66 | 7.92 | 7.83 | 7.85 | 7.83 | 7.70 | 7.67 | 7.73 | 7.70 |
| 25 | 7.75 | 7.72 | 7.79 | 7.73 | 7.90 | 7.84 | 7.83 | 7.78 | 7.70 | 7.66 | 7.74 | 7.72 |
| 26 | 7.78 | 7.75 | 7.74 | 7.71 | 7.88 | 7.82 | 7.84 | 7.76 | 7.69 | 7.66 | 7.75 | 7.73 |
| 27 | 7.77 | 7.73 | 7.71 | 7.68 | 7.87 | 7.82 | 7.82 | 7.77 | 7.71 | 7.68 | 7.76 | 7.73 |
| 28 | 7.78 | 7.76 | 7.69 | 7.66 | 7.87 | 7.82 | 7.82 | 7.74 | 7.70 | 7.67 | 7.75 | 7.73 |
| 29 | 7.79 | 7.76 | 7.66 | 7.63 | 7.87 | 7.76 | 7.75 | 7.72 | 7.71 | 7.69 | 7.76 | 7.68 |
| 30 | 7.79 | 7.77 | 7.66 | 7.63 | 7.83 | 7.76 | 7.78 | 7.75 | --- | --- | 7.75 | 7.70 |
| 31 | 7.80 | 7.77 | --- | --- | 7.83 | 7.77 | 7.79 | 7.77 | --- | --- | 7.75 | 7.70 |
| MONTH | 7.93 | 7.67 | 7.92 | 7.63 | 7.92 | 7.63 | 7.85 | 7.68 | 7.80 | 7.66 | 7.77 | 7.67 |

| DAY | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | APRIL | | MAY | | JUNE | | JULY | | AUGUST | | SEPTEMBER | |
| 1 | 7.71 | 7.68 | 7.69 | 7.66 | 7.86 | 7.80 | 7.98 | 7.85 | 7.79 | 7.75 | 7.73 | 7.61 |
| 2 | 7.69 | 7.67 | 7.71 | 7.67 | 7.90 | 7.82 | 8.05 | 7.87 | 7.76 | 7.73 | 7.78 | 7.64 |
| 3 | 7.68 | 7.65 | 7.70 | 7.61 | 7.88 | 7.85 | 8.11 | 7.91 | 7.72 | 7.69 | 7.66 | 7.63 |
| 4 | 7.64 | 7.55 | 7.65 | 7.62 | 7.85 | 7.83 | 8.10 | 7.93 | 7.71 | 7.69 | 7.73 | 7.66 |
| 5 | 7.61 | 7.52 | 7.66 | 7.62 | 7.88 | 7.85 | 8.13 | 8.00 | 7.74 | 7.69 | 7.72 | 7.67 |
| 6 | 7.66 | 7.62 | 7.70 | 7.62 | 7.89 | 7.88 | 8.14 | 8.09 | 8.06 | 7.72 | 7.74 | 7.70 |
| 7 | 7.66 | 7.62 | 7.73 | 7.67 | 7.89 | 7.86 | 8.11 | 8.06 | 8.06 | 7.76 | 7.75 | 7.73 |
| 8 | 7.66 | 7.61 | 7.76 | 7.69 | 7.91 | 7.85 | 8.07 | 8.04 | --- | --- | 7.77 | 7.73 |
| 9 | 7.65 | 7.61 | 7.80 | 7.70 | 7.91 | 7.85 | 8.05 | 8.03 | --- | --- | 7.79 | 7.76 |
| 10 | 7.64 | 7.62 | 7.78 | 7.74 | 7.92 | 7.85 | 8.11 | 8.03 | --- | --- | 7.83 | 7.79 |
| 11 | 7.65 | 7.63 | 7.81 | 7.74 | 7.92 | 7.83 | 8.18 | 7.98 | --- | --- | 7.79 | 7.72 |
| 12 | 7.66 | 7.65 | 7.79 | 7.72 | 7.98 | 7.88 | 8.25 | 7.92 | 8.13 | 7.70 | 7.72 | 7.48 |
| 13 | 7.66 | 7.61 | 7.80 | 7.77 | 7.99 | 7.88 | 8.30 | 7.92 | 7.89 | 7.65 | 7.61 | 7.46 |
| 14 | 7.63 | 7.57 | 7.79 | 7.74 | 7.93 | 7.86 | 8.17 | 7.91 | 7.85 | 7.62 | 7.70 | 7.61 |
| 15 | 7.59 | 7.56 | 7.80 | 7.74 | 7.98 | 7.88 | 8.09 | 7.92 | 7.69 | 7.63 | 7.69 | 7.65 |
| 16 | 7.63 | 7.59 | 7.82 | 7.78 | 8.03 | 7.90 | 8.14 | 7.90 | 7.69 | 7.65 | 7.66 | 7.64 |
| 17 | 7.63 | 7.60 | 7.82 | 7.78 | 8.13 | 7.92 | 7.95 | 7.84 | 7.68 | 7.65 | 7.69 | 7.65 |
| 18 | 7.63 | 7.61 | 7.85 | 7.78 | 8.25 | 7.91 | 7.89 | 7.84 | 7.66 | 7.63 | 7.68 | 7.64 |
| 19 | 7.64 | 7.62 | 7.87 | 7.82 | 8.08 | 7.93 | 7.98 | 7.85 | 7.73 | 7.62 | 7.64 | 7.62 |
| 20 | 7.65 | 7.61 | 7.88 | 7.83 | 7.98 | 7.92 | 8.16 | 7.97 | 7.81 | 7.61 | 7.66 | 7.63 |
| 21 | 7.65 | 7.63 | 7.85 | 7.81 | 8.03 | 7.91 | 8.19 | 8.07 | 7.83 | 7.63 | 7.66 | 7.64 |
| 22 | 7.65 | 7.62 | 7.84 | 7.80 | 8.11 | 8.00 | 8.21 | 8.04 | 7.99 | 7.62 | 7.69 | 7.64 |
| 23 | 7.65 | 7.63 | 7.90 | 7.79 | 8.08 | 8.06 | 8.09 | 7.96 | 7.80 | 7.66 | 7.66 | 7.64 |
| 24 | 7.65 | 7.63 | 7.86 | 7.83 | 8.10 | 8.08 | 8.02 | 7.93 | 7.85 | 7.65 | 7.67 | 7.51 |
| 25 | 7.65 | 7.63 | 7.83 | 7.81 | 8.14 | 8.03 | 8.09 | 7.96 | 7.87 | 7.64 | 7.52 | 7.45 |
| 26 | 7.63 | 7.61 | 7.84 | 7.82 | 8.20 | 8.03 | 8.13 | 8.07 | 7.90 | 7.64 | 7.61 | 7.53 |
| 27 | 7.64 | 7.58 | 7.86 | 7.83 | 8.21 | 7.99 | 8.24 | 8.02 | 7.75 | 7.65 | 7.64 | 7.60 |
| 28 | 7.64 | 7.59 | 7.86 | 7.83 | 8.22 | 7.93 | 8.16 | 7.96 | 7.75 | 7.64 | 7.64 | 7.60 |
| 29 | 7.62 | 7.59 | 7.84 | 7.81 | 8.02 | 7.83 | 8.01 | 7.88 | 7.65 | 7.63 | 7.63 | 7.60 |
| 30 | 7.67 | 7.61 | 7.85 | 7.80 | 7.93 | 7.81 | 7.86 | 7.77 | 7.64 | 7.61 | 7.70 | 7.62 |
| 31 | --- | --- | 7.85 | 7.82 | --- | --- | 7.82 | 7.77 | 7.64 | 7.61 | --- | --- |
| MONTH | 7.71 | 7.52 | 7.90 | 7.61 | 8.25 | 7.80 | 8.30 | 7.77 | 8.13 | 7.61 | 7.83 | 7.45 |

## 07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA

### TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DAY | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | OCTOBER | | NOVEMBER | | DECEMBER | | JANUARY | | FEBRUARY | | MARCH | |
| 1 | 26.0 | 25.5 | 19.0 | 19.0 | 13.5 | 13.5 | 8.5 | 8.5 | 6.0 | 5.5 | 7.0 | 7.0 |
| 2 | 25.5 | 25.5 | 19.0 | 18.5 | 13.5 | 13.0 | 8.5 | 8.0 | 6.0 | 6.0 | 7.5 | 7.0 |
| 3 | 25.5 | 25.0 | 18.5 | 18.5 | 13.0 | 13.0 | 8.0 | 7.5 | 6.5 | 6.0 | 8.0 | 7.5 |
| 4 | 25.0 | 24.5 | 18.5 | 18.5 | 13.0 | 13.0 | 7.5 | 7.0 | 6.5 | 6.5 | 8.0 | 8.0 |
| 5 | 25.0 | 24.5 | 18.5 | 18.5 | 13.0 | 12.5 | 7.0 | 7.0 | 6.5 | 6.5 | 8.0 | 8.0 |
| 6 | 24.5 | 24.5 | 18.5 | 18.0 | 13.0 | 12.5 | 7.0 | 6.5 | 6.5 | 6.5 | 8.5 | 8.0 |
| 7 | 24.5 | 24.0 | 18.0 | 18.0 | 13.0 | 12.5 | 6.5 | 6.5 | 6.5 | 6.5 | 8.5 | 8.0 |
| 8 | 24.0 | 23.5 | 18.0 | 18.0 | 12.5 | 12.5 | 6.5 | 6.0 | 6.5 | 6.5 | 8.5 | 8.5 |
| 9 | 23.5 | 23.0 | 18.0 | 18.0 | 12.5 | 12.5 | 6.0 | 5.5 | 6.5 | 6.5 | 9.0 | 8.5 |
| 10 | 23.0 | 23.0 | 18.0 | 17.5 | 12.5 | 12.0 | 5.5 | 5.0 | 6.5 | 6.0 | 9.0 | 9.0 |
| 11 | 23.0 | 22.5 | 17.5 | 17.5 | 12.0 | 12.0 | 5.0 | 4.5 | 6.5 | 6.0 | 9.5 | 9.0 |
| 12 | 22.5 | 22.5 | 17.5 | 17.0 | 12.0 | 11.5 | 4.5 | 4.5 | 6.0 | 5.5 | 9.5 | 9.5 |
| 13 | 22.5 | 22.0 | 17.0 | 17.0 | 11.5 | 11.5 | 4.5 | 4.0 | 5.5 | 5.5 | 10.0 | 9.5 |
| 14 | 22.0 | 21.5 | 17.0 | 17.0 | 12.0 | 11.5 | 4.0 | 4.0 | 5.5 | 5.5 | 10.0 | 10.0 |
| 15 | 22.0 | 21.5 | 17.0 | 17.0 | 11.5 | 11.0 | 4.0 | 3.5 | 5.5 | 5.5 | 10.0 | 9.5 |
| 16 | 21.5 | 21.5 | 17.0 | 17.0 | 11.0 | 11.0 | 3.5 | 3.5 | 5.5 | 5.5 | 9.5 | 9.5 |
| 17 | 21.5 | 21.0 | 17.0 | 16.5 | 11.0 | 11.0 | 4.0 | 3.5 | 5.5 | 5.5 | 9.5 | 9.5 |
| 18 | 21.5 | 21.0 | 16.5 | 16.5 | 11.0 | 11.0 | 4.0 | 4.0 | 5.5 | 5.5 | 9.5 | 9.0 |
| 19 | 21.5 | 21.0 | 16.5 | 16.0 | 11.0 | 11.0 | 4.5 | 4.0 | 5.5 | 5.5 | 9.0 | 9.0 |
| 20 | 21.0 | 21.0 | 16.0 | 15.5 | 11.0 | 10.5 | 4.5 | 4.0 | 5.5 | 5.5 | 9.5 | 9.0 |
| 21 | 21.0 | 20.5 | 15.5 | 15.0 | 10.5 | 10.5 | 4.5 | 4.0 | 5.5 | 5.0 | 9.5 | 9.0 |
| 22 | 20.5 | 20.0 | 15.0 | 15.0 | 10.5 | 10.0 | 4.5 | 4.5 | 5.5 | 5.5 | 9.5 | 9.5 |
| 23 | 20.5 | 20.0 | 15.0 | 14.5 | 10.0 | 9.5 | 4.5 | 4.5 | 6.0 | 5.5 | 10.0 | 9.5 |
| 24 | 20.0 | 20.0 | 14.5 | 14.0 | 10.0 | 9.5 | 4.5 | 4.5 | 6.0 | 5.5 | 10.5 | 10.0 |
| 25 | 20.5 | 20.0 | 14.5 | 14.0 | 10.0 | 9.5 | 5.0 | 4.5 | 6.5 | 6.0 | 10.5 | 10.5 |
| 26 | 20.0 | 20.0 | 14.5 | 14.0 | 10.0 | 9.5 | 5.0 | 4.5 | 6.5 | 6.0 | 11.0 | 10.5 |
| 27 | 20.0 | 19.5 | 14.5 | 14.5 | 10.0 | 9.5 | 5.0 | 5.0 | 6.5 | 6.5 | 11.5 | 11.0 |
| 28 | 19.5 | 19.5 | 14.5 | 14.0 | 9.5 | 9.5 | 5.5 | 5.0 | 7.0 | 6.5 | 11.5 | 11.5 |
| 29 | 19.5 | 19.0 | 14.0 | 14.0 | 9.5 | 9.0 | 5.5 | 5.5 | 7.0 | 6.5 | 12.5 | 11.5 |
| 30 | 19.5 | 19.0 | 14.0 | 13.5 | 9.0 | 9.0 | 5.5 | 5.5 | --- | --- | 13.0 | 12.5 |
| 31 | 19.0 | 19.0 | --- | --- | 9.0 | 8.5 | 5.5 | 5.5 | --- | --- | 13.0 | 13.0 |
| MONTH | 26.0 | 19.0 | 19.0 | 13.5 | 13.5 | 8.5 | 8.5 | 3.5 | 7.0 | 5.0 | 13.0 | 7.0 |

| DAY | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | APRIL | | MAY | | JUNE | | JULY | | AUGUST | | SEPTEMBER | |
| 1 | 13.5 | 13.0 | 18.5 | 18.0 | 24.5 | 24.0 | 31.0 | 28.0 | 30.5 | 30.5 | 31.5 | 31.0 |
| 2 | 14.0 | 14.0 | 18.5 | 18.5 | 25.0 | 24.0 | 30.0 | 28.0 | 30.5 | 30.5 | 31.0 | 30.5 |
| 3 | 14.0 | 14.0 | 19.0 | 18.5 | 24.5 | 24.5 | 29.5 | 28.5 | 30.5 | 30.5 | 30.5 | 30.0 |
| 4 | 14.5 | 14.0 | 19.0 | 19.0 | 25.0 | 24.5 | 29.5 | 28.5 | 31.0 | 30.5 | 30.5 | 30.0 |
| 5 | 15.0 | 14.5 | 19.5 | 19.0 | 25.0 | 24.5 | 29.0 | 29.0 | 30.5 | 30.5 | 30.0 | 30.0 |
| 6 | 15.5 | 15.0 | 19.5 | 19.0 | 25.0 | 24.5 | 29.0 | 29.0 | 31.5 | 30.0 | 30.0 | 29.5 |
| 7 | 16.0 | 15.5 | 20.0 | 19.5 | 25.5 | 25.0 | 29.5 | 29.0 | 30.5 | 30.0 | 29.5 | 29.5 |
| 8 | 16.0 | 15.5 | 20.0 | 20.0 | 26.0 | 25.0 | 29.5 | 29.0 | --- | --- | 29.5 | 29.0 |
| 9 | 16.5 | 16.0 | 20.5 | 20.0 | 26.0 | 25.5 | 29.5 | 29.5 | --- | --- | 29.0 | 28.5 |
| 10 | 17.0 | 16.5 | 20.5 | 20.0 | 25.5 | 25.5 | 30.5 | 29.5 | --- | --- | 28.5 | 28.0 |
| 11 | 17.0 | 16.5 | 20.5 | 20.5 | 26.0 | 25.5 | 31.0 | 29.5 | --- | --- | 28.0 | 28.0 |
| 12 | 16.5 | 16.5 | 20.5 | 20.5 | 26.0 | 25.5 | 31.5 | 29.5 | 33.0 | 30.0 | 28.0 | 27.5 |
| 13 | 16.5 | 16.0 | 21.0 | 20.5 | 27.0 | 26.0 | --- | 29.5 | 31.5 | 30.0 | 27.5 | 27.5 |
| 14 | 16.5 | 16.0 | 21.0 | 20.5 | 26.5 | 26.0 | --- | 29.5 | 32.0 | 30.0 | 28.0 | 27.5 |
| 15 | 16.5 | 16.0 | 21.5 | 21.0 | 27.0 | 26.0 | --- | 29.5 | 30.5 | 30.0 | 27.5 | 27.5 |
| 16 | 16.5 | 16.0 | 21.5 | 21.5 | 27.0 | 26.5 | 32.5 | 30.0 | 30.5 | 30.0 | 27.5 | 27.5 |
| 17 | 16.5 | 16.0 | 22.0 | 21.5 | 27.5 | 26.5 | 32.0 | 29.5 | 30.5 | 30.0 | 27.5 | 27.0 |
| 18 | 16.5 | 16.5 | 22.0 | 22.0 | 28.5 | 26.5 | 30.0 | 29.5 | 30.5 | 30.5 | 27.5 | 27.0 |
| 19 | 16.5 | 16.5 | 22.5 | 22.0 | 28.5 | 26.5 | 30.0 | 29.5 | 31.0 | 30.5 | 27.5 | 27.0 |
| 20 | 17.0 | 16.5 | 23.0 | 22.5 | 27.5 | 27.0 | 30.0 | 29.5 | 31.5 | 30.5 | 28.0 | 27.5 |
| 21 | 17.0 | 16.5 | 23.0 | 23.0 | 27.0 | 27.0 | 29.5 | 29.5 | 32.0 | 30.5 | 28.0 | 27.5 |
| 22 | 17.0 | 17.0 | 23.5 | 23.0 | 27.5 | 27.0 | 29.5 | 29.5 | 32.5 | 30.5 | 28.5 | 27.5 |
| 23 | 17.5 | 17.0 | 23.5 | 23.0 | 27.5 | 27.0 | 30.0 | 29.5 | 32.0 | 30.5 | 28.0 | 28.0 |
| 24 | 17.5 | 17.0 | 23.5 | 23.5 | 27.5 | 27.5 | 30.0 | 29.5 | 33.5 | 30.5 | 28.5 | 27.5 |
| 25 | 17.5 | 17.5 | 23.5 | 23.5 | 28.5 | 27.5 | 30.5 | 30.0 | 32.5 | 30.5 | 27.5 | 27.5 |
| 26 | 18.0 | 17.5 | 24.0 | 23.5 | 28.5 | 27.5 | 32.0 | 30.0 | 34.0 | 31.0 | 28.0 | 27.5 |
| 27 | 18.0 | 18.0 | 24.0 | 23.5 | 30.5 | 27.5 | 32.0 | 30.0 | 33.0 | 31.0 | 28.5 | 28.0 |
| 28 | 18.5 | 18.0 | 24.5 | 24.0 | 30.5 | 28.0 | 31.0 | 30.0 | 32.0 | 31.0 | 28.5 | 28.0 |
| 29 | 18.5 | 18.5 | 24.5 | 24.0 | 30.0 | 28.0 | 31.5 | 30.0 | 31.0 | 31.0 | 28.5 | 28.5 |
| 30 | 18.5 | 18.0 | 24.5 | 24.0 | 30.0 | 28.0 | 30.0 | 30.0 | 31.0 | 31.0 | 29.0 | 28.5 |
| 31 | --- | --- | 24.5 | 24.0 | --- | --- | 30.5 | 30.0 | 31.0 | 31.0 | --- | --- |
| MONTH | 18.5 | 13.0 | 24.5 | 18.0 | 30.5 | 24.0 | 32.5 | 28.0 | 34.0 | 30.0 | 31.5 | 27.0 |

## 07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA

### OXYGEN, DISSOLVED (MG/L), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DAY | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | OCTOBER | | NOVEMBER | | DECEMBER | | JANUARY | | FEBRUARY | | MARCH | |
| 1 | 5.1 | 4.8 | 10.0 | 9.0 | 8.6 | 8.1 | 9.7 | 9.1 | 11.4 | 11.0 | 11.0 | 10.5 |
| 2 | 5.1 | 4.9 | 9.9 | 9.1 | 8.7 | 8.3 | 9.1 | 8.9 | 11.4 | 10.9 | --- | --- |
| 3 | 5.1 | 4.8 | 9.9 | 9.2 | 8.8 | 8.4 | 9.1 | 8.9 | 11.1 | 10.7 | --- | --- |
| 4 | 5.1 | 4.7 | 7.6 | 7.4 | 8.9 | 8.5 | 9.2 | 9.0 | 11.0 | 10.7 | --- | --- |
| 5 | 5.1 | 4.7 | 7.9 | 7.1 | 8.8 | 8.6 | 9.3 | 9.2 | 10.8 | 10.5 | --- | --- |
| 6 | 5.0 | 4.7 | 7.8 | 6.7 | 8.9 | 8.6 | 9.5 | 9.3 | 10.8 | 10.5 | --- | --- |
| 7 | 5.1 | 4.7 | 8.0 | 6.8 | 8.9 | 8.6 | 10.1 | 9.5 | 10.6 | 10.2 | --- | --- |
| 8 | 5.1 | 4.6 | 7.7 | 7.2 | 9.0 | 8.7 | 10.1 | 10.0 | 10.7 | 10.2 | --- | --- |
| 9 | 6.8 | 4.7 | 7.6 | 7.1 | 9.0 | 8.7 | 10.2 | 10.1 | 10.8 | 10.6 | --- | --- |
| 10 | 6.7 | 6.4 | --- | --- | 9.2 | 8.7 | 10.4 | 10.2 | 10.8 | 10.8 | --- | --- |
| 11 | 6.7 | 6.4 | --- | --- | 9.5 | 9.1 | 10.5 | 10.3 | 10.8 | 10.7 | --- | --- |
| 12 | 6.7 | 6.3 | --- | --- | 9.4 | 9.1 | 10.7 | 10.5 | 10.8 | 10.7 | --- | --- |
| 13 | 6.8 | 6.2 | 7.5 | 6.9 | 9.7 | 9.3 | 10.9 | 10.6 | 10.9 | 10.7 | --- | --- |
| 14 | 6.8 | 6.3 | 7.4 | 6.9 | 9.8 | 9.6 | 11.0 | 10.8 | 10.9 | 10.7 | --- | --- |
| 15 | 6.8 | 6.2 | 7.3 | 7.0 | 10.0 | 9.7 | 11.2 | 11.0 | 11.0 | 10.9 | --- | --- |
| 16 | 6.8 | 6.2 | 8.6 | 6.2 | 9.8 | 9.5 | 11.2 | 11.1 | 11.0 | 10.9 | --- | --- |
| 17 | 6.8 | 6.3 | 8.5 | 8.2 | 9.8 | 9.4 | 11.3 | 11.2 | 11.0 | 10.7 | 9.8 | 9.6 |
| 18 | 6.7 | 6.4 | 8.5 | 8.2 | 9.8 | 9.6 | 11.5 | 11.2 | 11.0 | 10.8 | 10.1 | 9.7 |
| 19 | 6.7 | 6.4 | 8.5 | 8.2 | 9.9 | 9.7 | 11.7 | 11.5 | 11.1 | 10.9 | 10.1 | 9.9 |
| 20 | 7.7 | 6.5 | 8.4 | 8.0 | 9.9 | 9.7 | 11.5 | 11.4 | 11.1 | 10.9 | 10.0 | 9.9 |
| 21 | 7.6 | 7.1 | 8.1 | 7.4 | 9.9 | 9.7 | 11.8 | 11.5 | 11.0 | 10.9 | 9.9 | 9.8 |
| 22 | 7.6 | 6.9 | 7.7 | 6.9 | 10.0 | 9.6 | 12.0 | 11.7 | 11.2 | 10.9 | 9.9 | 9.7 |
| 23 | 7.8 | 7.1 | 6.9 | 6.6 | 10.0 | 9.9 | 12.0 | 11.5 | 11.3 | 11.0 | 9.9 | 9.8 |
| 24 | 7.7 | 7.3 | 8.0 | 6.6 | 10.3 | 9.9 | 11.9 | 11.5 | 11.2 | 10.8 | 9.9 | 9.4 |
| 25 | 7.7 | 7.3 | 8.1 | 7.9 | 10.5 | 10.2 | 11.9 | 11.6 | 11.0 | 10.9 | 9.8 | 9.4 |
| 26 | 7.7 | 7.3 | 8.0 | 7.8 | 10.5 | 10.3 | 11.9 | 11.5 | 11.2 | 10.7 | 9.8 | 9.6 |
| 27 | 8.4 | 7.3 | 8.0 | 7.8 | 10.6 | 10.2 | 11.5 | 11.2 | 11.1 | 10.8 | 9.9 | 9.7 |
| 28 | 9.7 | 8.2 | 8.1 | 7.9 | 10.5 | 10.2 | 11.2 | 10.9 | 11.0 | 10.6 | 9.9 | 9.3 |
| 29 | 10.3 | 8.5 | 8.1 | 7.9 | 10.5 | 10.0 | 11.0 | 10.8 | 11.0 | 10.6 | 9.8 | 9.0 |
| 30 | 10.2 | 8.9 | 8.3 | 8.0 | 9.9 | 9.8 | 11.1 | 10.9 | --- | --- | 9.5 | 9.1 |
| 31 | 10.0 | 9.0 | --- | --- | 9.8 | 9.6 | 11.3 | 10.9 | --- | --- | 9.4 | 8.7 |
| MONTH | 10.3 | 4.6 | 10.0 | 6.2 | 10.6 | 8.1 | 12.0 | 8.9 | 11.4 | 10.2 | --- | --- |

| DAY | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | APRIL | | MAY | | JUNE | | JULY | | AUGUST | | SEPTEMBER | |
| 1 | 9.3 | 8.8 | | | --- | --- | 7.2 | 6.4 | 4.8 | 4.6 | 4.4 | 4.1 |
| 2 | 9.4 | 8.5 | | | --- | --- | 7.8 | 6.5 | 4.7 | 4.6 | 4.6 | 4.3 |
| 3 | 8.8 | 8.6 | | | 7.2 | 7.0 | 7.9 | 6.7 | 4.6 | 4.4 | 4.6 | 4.4 |
| 4 | 8.8 | 8.4 | | | 7.0 | 6.9 | 7.7 | 6.6 | 4.5 | 4.3 | 4.9 | 4.6 |
| 5 | 8.4 | 8.2 | | | 7.0 | 6.9 | 7.6 | 6.9 | 4.6 | 4.3 | 5.0 | 4.7 |
| 6 | 8.4 | 8.1 | | | 7.1 | 7.0 | 7.4 | 6.9 | 4.6 | 4.4 | 5.1 | 4.9 |
| 7 | 8.3 | 7.9 | | | 7.2 | 6.9 | 6.9 | 6.3 | 4.8 | 4.5 | 5.3 | 5.1 |
| 8 | 8.1 | 7.7 | | | 7.3 | 6.9 | 6.4 | 6.0 | --- | --- | 5.3 | 5.1 |
| 9 | 8.0 | 7.8 | | | 7.3 | 6.9 | 6.0 | 5.7 | --- | --- | 5.5 | 5.2 |
| 10 | 7.9 | 7.8 | | | 7.3 | 7.0 | 5.7 | 5.5 | --- | --- | 5.8 | 5.5 |
| 11 | 7.9 | 7.5 | | | 7.4 | 6.8 | 5.6 | 5.1 | --- | --- | 5.6 | 5.4 |
| 12 | 7.6 | 7.3 | | | 7.7 | 7.1 | 5.4 | 4.8 | 5.3 | 5.0 | 5.4 | 4.5 |
| 13 | 7.4 | 6.8 | | | 7.5 | 7.1 | 5.3 | 4.8 | 5.1 | 4.8 | 5.1 | 4.4 |
| 14 | 7.5 | 6.7 | | | 7.4 | 7.0 | 5.3 | 4.8 | 5.1 | 4.7 | 5.5 | 5.1 |
| 15 | 7.1 | 6.7 | | | 7.6 | 7.1 | 5.6 | 4.8 | 4.8 | 4.6 | 5.5 | 5.4 |
| 16 | 7.3 | 6.9 | | | 8.0 | 7.2 | 5.6 | 4.8 | 4.6 | 4.4 | 5.4 | 5.4 |
| 17 | 7.3 | 7.1 | | | 8.5 | 7.2 | 4.9 | 4.5 | 4.5 | 4.3 | 5.5 | 5.4 |
| 18 | 7.3 | 7.2 | | | 7.8 | 7.2 | 5.1 | 4.5 | 4.3 | 4.2 | 5.5 | 5.3 |
| 19 | 7.4 | 7.2 | | | 7.7 | 7.3 | 6.0 | 4.7 | 4.5 | 4.1 | 5.3 | 5.2 |
| 20 | 7.3 | 7.1 | | | 7.3 | 7.1 | 7.4 | 5.9 | 4.3 | 4.0 | 5.2 | 5.1 |
| 21 | 7.3 | 7.1 | | | 7.7 | 7.0 | 7.7 | 6.7 | 4.5 | 4.2 | 5.2 | 5.1 |
| 22 | 7.2 | 7.1 | | | 7.9 | 7.5 | 7.7 | 6.3 | 4.7 | 4.2 | 5.3 | 5.1 |
| 23 | 7.2 | 6.9 | | | 7.6 | 7.5 | 6.8 | 5.7 | 4.9 | 4.5 | 5.3 | 5.1 |
| 24 | --- | --- | | | 7.6 | 7.4 | 6.1 | 5.3 | 5.1 | 4.3 | 5.5 | 4.7 |
| 25 | --- | --- | | | 7.9 | 7.2 | 5.5 | 4.9 | 4.9 | 4.3 | 4.7 | 4.5 |
| 26 | --- | --- | | | 8.6 | 7.3 | 5.3 | 4.6 | 4.8 | 4.2 | 5.0 | 4.8 |
| 27 | --- | --- | | | 8.9 | 7.2 | 4.9 | 4.5 | 4.6 | 4.0 | 5.1 | 4.9 |
| 28 | --- | --- | | | 8.9 | 7.0 | 4.9 | 4.5 | 4.4 | 4.0 | 5.1 | 4.9 |
| 29 | --- | --- | | | 7.1 | 6.3 | 5.5 | 4.8 | 4.2 | 4.0 | 5.1 | 4.9 |
| 30 | --- | --- | | | 7.0 | 6.2 | 5.1 | 4.6 | 4.1 | 4.0 | 5.2 | 5.0 |
| 31 | --- | --- | | | --- | --- | 5.0 | 4.6 | 4.2 | 4.0 | --- | --- |
| MONTH | --- | --- | | | 8.9 | 6.2 | 7.9 | 4.5 | 5.3 | 4.0 | 5.8 | 4.1 |

## 07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA
(National stream-quality accounting network station)

LOCATION.--Lat 29°51'25", long 89°58'40", in lot 20, T.14 S., R.12 E., Plaquemines Parish, Hydrologic Unit 08090100, at ferry crossing at Belle Chasse and at mile 76.0.

DRAINAGE AREA.--1,125,930 mi², arbitrarily determined.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1974 to current year.
WATER TEMPERATURES: October 1975 to current year.
CHLORIDE: October 1974 to current year.
SULFATE: October 1974 to September 1978.
DISSOLVED SOLIDS: October 1978 to current year.

REMARKS.--Water-quality sample designated as collected on July 8, 1988 at 0831 was a composite sample from 40 to 90 feet below the surface approximately 100 feet from the left bank within the salt-water wedge.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 1900 microsiemens July 14, 17, 18, 1981; minimum daily, 248 microsiemens Mar. 31, 1976, Jan. 24, 1979.
WATER TEMPERATURES: Maximum daily, 38.0°C June 9, 1984; minimum daily, 2.0°C Feb. 7, 1984.
CHLORIDE: Maximum daily, 400 mg/L July 14-18, 1988; minimum daily, 11 mg/L Apr. 21, May 12, 1975, May 12, 1984.
SULFATE: Maximum daily, 93 mg/L Oct. 30, 1976; minimum daily, 28 mg/L Feb. 3, 1975.
DISSOLVED SOLIDS: Maximum, 1030 mg/L July 11-20, 1988; minimum, 156 mg/L Jan. 21-31, 1979.

EXTREMES FOR CURRENT YEAR.--
DISSOLVED SOLIDS: Maximum, 1030 mg/L July 11-20; minimum, 189 mg/L Jan. 11-20.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--A temperature of 1.5°C was observed on Feb. 9, 1978.

### WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | SPE-CIFIC CON-DUCT-ANCE (US/CM) | PH (STAND-ARD UNITS) | TEMPER-ATURE WATER (DEG C) | COLOR (PLAT-INUM-COBALT UNITS) | TUR-BID-ITY (NTU) | OXYGEN, DIS-SOLVED (MG/L) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) | STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 28... | 1130 | 598 | 7.90 | 20.5 | 10 | 1.1 | 7.9 | 1.1 | 510 | K60 |
| DEC | | | | | | | | | | |
| 10... | 1700 | 518 | 7.80 | 12.0 | 20 | 48 | 10.3 | 2.0 | K640 | 650 |
| FEB 1988 | | | | | | | | | | |
| 24... | 1100 | 330 | 7.90 | 7.0 | 30 | 79 | 11.8 | 3.3 | 260 | 270 |
| APR | | | | | | | | | | |
| 07... | 1300 | 404 | 7.80 | 17.0 | 10 | 86 | 8.9 | 1.1 | 340 | 210 |
| JUN | | | | | | | | | | |
| 07... | 1030 | 517 | 7.47 | 26.0 | 10 | 4.0 | 7.2 | 1.1 | 510 | 44 |
| JUL | | | | | | | | | | |
| 08... | 0830 | 1640 | 8.00 | 28.5 | 5 | 2.9 | 6.9 | -- | -- | -- |
| 08... | 0831 | 27300 | 7.80 | 26.5 | 5 | 1.8 | 2.7 | -- | -- | -- |
| AUG | | | | | | | | | | |
| 04... | 1230 | 805 | 7.62 | 31.0 | 0 | 2.2 | 5.3 | 1.3 | 220 | 31 |
| SEP | | | | | | | | | | |
| 27... | 1030 | 576 | 7.74 | 28.0 | 10 | 5.0 | 5.1 | 0.6 | -- | -- |

K Results based on colony count outside the acceptable range (non-ideal colony count).

## 07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | HARDNESS TOTAL (MG/L AS CACO3) | CALCIUM DISSOLVED (MG/L AS CA) | MAGNESIUM, DISSOLVED (MG/L AS MG) | SODIUM, DISSOLVED (MG/L AS NA) | POTASSIUM, DISSOLVED (MG/L AS K) | ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DISSOLVED (MG/L AS SO4) | CHLORIDE, DISSOLVED (MG/L AS CL) | FLUORIDE, DISSOLVED (MG/L AS F) | SILICA, DISSOLVED (MG/L AS SIO2) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 28... | 200 | 52 | 18 | 41 | 4.3 | 150 | 72 | 46 | 0.4 | 5.4 |
| DEC | | | | | | | | | | |
| 10... | 150 | 38 | 13 | 41 | 3.9 | 105 | 67 | 47 | 0.3 | 5.3 |
| FEB 1988 | | | | | | | | | | |
| 24... | 130 | 34 | 9.7 | 19 | 2.7 | 77 | 42 | 22 | 0.4 | 6.7 |
| APR | | | | | | | | | | |
| 07... | 160 | 41 | 13 | 21 | 2.9 | 75 | 44 | 26 | 0.3 | 6.9 |
| JUN | | | | | | | | | | |
| 07... | 190 | 48 | 18 | 33 | 3.4 | 136 | 71 | 35 | 0.3 | 1.9 |
| JUL | | | | | | | | | | |
| 08... | 300 | 54 | 39 | 220 | 9.4 | 161 | 120 | 350 | 0.3 | 0.10 |
| 08... | 3700 | 260 | 730 | 5700 | 17 | 140 | 1500 | 10000 | 0.5 | 6.1 |
| AUG | | | | | | | | | | |
| 04... | 200 | 44 | 21 | 82 | 5.0 | 136 | 77 | 120 | 0.3 | 0.33 |
| SEP | | | | | | | | | | |
| 27... | 160 | 39 | 16 | 52 | 4.1 | 119 | 68 | 57 | 0.4 | 3.0 |

| DATE | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) | NITROGEN, NITRITE DISSOLVED (MG/L AS N) | NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) | NITROGEN, AMMONIA TOTAL (MG/L AS N) | NITROGEN, AMMONIA DISSOLVED (MG/L AS N) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) | PHOSPHOROUS TOTAL (MG/L AS P) | PHOSPHOROUS DISSOLVED (MG/L AS P) | PHOSPHOROUS ORTHO, DISSOLVED (MG/L AS P) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 28... | 340 | 336 | 0.04 | 1.2 | 0.05 | 0.06 | 0.5 | 0.14 | 0.11 | 0.11 |
| DEC | | | | | | | | | | |
| 10... | 286 | 279 | 0.04 | 0.82 | -- | -- | 0.8 | 0.24 | 0.07 | 0.07 |
| FEB 1988 | | | | | | | | | | |
| 24... | 200 | 144 | 0.03 | 1.4 | 0.10 | 0.10 | 0.9 | 0.18 | 0.13 | 0.12 |
| APR | | | | | | | | | | |
| 07... | 229 | 228 | 0.04 | 1.6 | 0.06 | 0.03 | 0.9 | 0.23 | 0.16 | 0.12 |
| JUN | | | | | | | | | | |
| 07... | 300 | 291 | .040 | 0.85 | 0.08 | 0.05 | 0.3 | 0.12 | 0.06 | 0.05 |
| JUL | | | | | | | | | | |
| 08... | 924 | 893 | 0.06 | 0.54 | 0.11 | 0.09 | <0.2 | 0.10 | 0.07 | 0.06 |
| 08... | 20000 | 18300 | 0.16 | 0.48 | 0.23 | 0.19 | <0.2 | 0.16 | 0.12 | 0.07 |
| AUG | | | | | | | | | | |
| 04... | 447 | 433 | 0.16 | 0.49 | 0.02 | 0.03 | 0.5 | 0.08 | 0.07 | 0.06 |
| SEP | | | | | | | | | | |
| 27... | 316 | 314 | <0.01 | 0.65 | <0.01 | 0.01 | 0.6 | 0.09 | 0.09 | 0.06 |

| DATE | ALUMINUM, DISSOLVED (UG/L AS AL) | ARSENIC DISSOLVED (UG/L AS AS) | BARIUM, DISSOLVED (UG/L AS BA) | BERYLLIUM, DISSOLVED (UG/L AS BE) | CADMIUM DISSOLVED (UG/L AS CD) | CHROMIUM, DISSOLVED (UG/L AS CR) | COBALT, DISSOLVED (UG/L AS CO) | COPPER, DISSOLVED (UG/L AS CU) | IRON, DISSOLVED (UG/L AS FE) | LEAD, DISSOLVED (UG/L AS PB) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 28... | <10 | 2 | 81 | <0.5 | <1 | <1 | <3 | 4 | 14 | <5 |
| FEB 1988 | | | | | | | | | | |
| 24... | 60 | 1 | 290 | <0.5 | 2 | <1 | <3 | 8 | 72 | <5 |
| APR | | | | | | | | | | |
| 07... | 20 | 1 | 60 | <0.5 | <1 | <1 | <3 | 3 | 14 | <5 |
| JUL | | | | | | | | | | |
| 08... | 30 | 2 | 82 | <0.5 | 2 | <1 | <3 | 6 | <3 | <5 |
| 08... | 20 | 2 | 12 | <50 | 56 | <1 | <300 | 8 | <300 | <5 |
| AUG | | | | | | | | | | |
| 04... | 30 | 2 | 82 | <0.5 | 2 | <1 | <3 | 3 | 5 | <5 |
| SEP | | | | | | | | | | |
| 27... | 20 | 2 | 90 | <0.5 | <1 | <1 | <3 | 7 | 9 | <5 |

< Actual value is known to be less than the value shown.

## 07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | LITHIUM DIS-SOLVED (UG/L AS LI) | MANGA-NESE, DIS-SOLVED (UG/L AS MN) | MERCURY DIS-SOLVED (UG/L AS HG) | MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) | NICKEL, DIS-SOLVED (UG/L AS NI) | SELE-NIUM, DIS-SOLVED (UG/L AS SE) | SILVER, DIS-SOLVED (UG/L AS AG) | STRON-TIUM, DIS-SOLVED (UG/L AS SR) | VANA-DIUM, DIS-SOLVED (UG/L AS V) | ZINC, DIS-SOLVED (UG/L AS ZN) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987<br>28... | 18 | 2 | <0.1 | <10 | 3 | 1 | 1 | 260 | <6 | 8 |
| FEB 1988<br>24... | <4 | 7 | 0.1 | <10 | 9 | <1 | <1 | 130 | <6 | 37 |
| APR<br>07... | 7 | 2 | <0.1 | <10 | 4 | <1 | 1 | 170 | <6 | 10 |
| JUL<br>08... | 19 | 3 | <0.1 | <10 | 3 | 1 | <1 | 370 | <6 | 7 |
| 08... | <400 | 240 | -- | <1000 | 1 | <1 | <1 | 4400 | <600 | <300 |
| AUG<br>04... | 15 | 4 | <0.1 | <10 | 5 | 1 | <1 | 270 | <6 | 8 |
| SEP<br>27... | 16 | 4 | <0.1 | <10 | 5 | <1 | <1 | 230 | <6 | 10 |

| DATE | GROSS ALPHA, DIS-SOLVED (UG/L AS U-NAT) | GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT) | GROSS BETA, DIS-SOLVED (PCI/L AS CS-137) | GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137) | GROSS BETA, DIS-SOLVED (PCI/L AS SR/YT-90) | GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90) | RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L) | URANIUM NATURAL DIS-SOLVED (UG/L AS U) |
|---|---|---|---|---|---|---|---|---|
| OCT 1987<br>28... | 1.1 | <0.4 | 5.8 | 1.2 | 4.4 | 1.2 | 0.07 | 2.0 |
| JUN 1988<br>07... | 2.2 | <0.4 | 5.4 | 0.7 | 4.1 | 0.7 | 0.06 | 1.5 |

| DATE | STREAM-FLOW, INSTAN-TANEOUS (CFS) | SEDI-MENT, SUS-PENDED (MG/L) | SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM |
|---|---|---|---|---|
| OCT 1987<br>28... | 219000 | -- | -- | -- |
| DEC<br>10... | 366000 | 113 | 112000 | 97 |
| FEB 1988<br>24... | 662000 | 249 | 445000 | 85 |
| APR<br>07... | 443000 | 280 | 335000 | 96 |
| JUN<br>07... | 218000 | 7 | 4120 | 100 |

< Actual value is known to be less than the value shown.

## 07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

### SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
ONCE-DAILY

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 521 | 613 | 480 | 422 | 349 | 404 | 447 | 425 | 506 | 1120 | --- | --- |
| 2 | 548 | 641 | 481 | 435 | 350 | 404 | 420 | --- | 534 | 1150 | --- | --- |
| 3 | 554 | 642 | --- | 363 | 347 | 404 | 423 | 435 | 533 | 1190 | --- | 604 |
| 4 | 556 | 641 | --- | --- | 347 | 404 | --- | 442 | 527 | --- | --- | 603 |
| 5 | 562 | 640 | 541 | --- | 348 | 403 | --- | --- | 520 | 1170 | --- | --- |
| 6 | 5 0 | 640 | 569 | --- | 334 | 423 | 453 | --- | 533 | 1130 | --- | --- |
| 7 | 551 | 709 | 520 | 305 | 334 | 405 | 453 | 440 | 535 | 1720 | --- | 555 |
| 8 | 570 | 706 | 520 | 307 | 349 | 405 | 453 | 444 | 535 | 1710 | --- | 555 |
| 9 | 617 | 641 | 523 | 309 | 349 | 397 | 417 | --- | 534 | 1800 | --- | 555 |
| 10 | 603 | 643 | 520 | 310 | 349 | 396 | 423 | --- | 533 | 1730 | --- | --- |
| 11 | 588 | 642 | 521 | 300 | 348 | --- | 452 | --- | 535 | 1730 | --- | 582 |
| 12 | 617 | 642 | 513 | 301 | 355 | 411 | 453 | --- | 522 | 1730 | --- | 585 |
| 13 | 617 | 640 | 508 | 292 | 370 | 439 | 453 | --- | 534 | 1740 | --- | 556 |
| 14 | 591 | 631 | --- | 299 | 387 | 438 | 452 | --- | 535 | 1900 | --- | 555 |
| 15 | 592 | 625 | --- | 298 | 371 | 436 | 454 | --- | 536 | 1880 | 557 | 554 |
| 16 | 616 | 639 | --- | 314 | 359 | 467 | 418 | --- | 534 | 1890 | 555 | 556 |
| 17 | 614 | 623 | --- | 308 | 353 | 465 | 410 | --- | 537 | 1900 | 555 | 555 |
| 18 | 612 | 620 | --- | 317 | 339 | --- | 453 | --- | 576 | 1900 | 576 | 554 |
| 19 | 613 | --- | 509 | 318 | 333 | 490 | 452 | --- | 572 | --- | 604 | 556 |
| 20 | 634 | --- | 516 | 319 | 345 | 446 | 455 | --- | 572 | --- | 581 | 554 |
| 21 | 645 | 615 | --- | 320 | 338 | 417 | 455 | --- | 571 | --- | 579 | 555 |
| 22 | 644 | 596 | --- | 319 | 406 | 405 | --- | --- | --- | --- | 603 | 554 |
| 23 | 643 | 475 | --- | 342 | 444 | 405 | 498 | --- | --- | 1610 | --- | --- |
| 24 | 650 | 481 | 508 | 352 | 378 | 429 | 455 | --- | 600 | 1610 | --- | 608 |
| 25 | 644 | 476 | 507 | 361 | 380 | 431 | 452 | --- | 629 | --- | --- | 605 |
| 26 | 635 | 550 | 486 | 372 | 383 | 431 | --- | --- | 663 | --- | --- | 599 |
| 27 | 640 | 551 | 496 | 354 | 381 | 439 | --- | --- | --- | --- | 602 | 598 |
| 28 | 637 | 550 | --- | 370 | 395 | 441 | --- | --- | 856 | --- | 617 | 597 |
| 29 | 638 | 551 | --- | --- | 403 | 443 | 453 | --- | 962 | --- | --- | 596 |
| 30 | 637 | 478 | --- | 340 | --- | --- | 422 | --- | 1100 | --- | --- | --- |
| 31 | 611 | --- | --- | 358 | --- | --- | --- | --- | --- | --- | --- | --- |
| MAX | 650 | 709 | --- | 435 | 444 | 490 | 498 | --- | 1100 | --- | --- | 608 |
| MIN | 521 | 175 | --- | 292 | 333 | 396 | 410 | --- | 506 | --- | --- | 554 |

### TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
ONCE-DAILY

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 28.0 | 21.0 | 16.0 | 12.0 | 10.0 | 11.0 | 16.0 | 19.0 | 26.0 | 29.0 | --- | --- |
| 2 | 23.0 | 21.0 | 15.0 | 10.0 | 10.0 | 10.0 | 18.0 | --- | 26.0 | 29.0 | --- | --- |
| 3 | 25.0 | 22.0 | --- | 11.0 | 9.0 | 11.0 | 17.0 | 20.0 | 25.0 | 29.0 | --- | 30.0 |
| 4 | 24.0 | 21.0 | --- | --- | 9.0 | 13.0 | --- | 20.0 | 25.0 | --- | --- | 29.0 |
| 5 | 23.0 | 22.0 | 14.0 | --- | 9.0 | 11.0 | --- | --- | 26.0 | 29.0 | --- | --- |
| 6 | 24.0 | 21.0 | 14.0 | --- | 8.0 | 11.0 | 17.0 | --- | 26.0 | 29.0 | --- | --- |
| 7 | 24.0 | 21.0 | 14.0 | 9.0 | 8.0 | 12.0 | 17.0 | 20.0 | 26.0 | 29.0 | --- | 29.0 |
| 8 | 24.0 | 21.0 | 15.0 | 9.0 | 9.0 | 12.0 | 17.0 | 20.0 | 27.0 | --- | --- | 29.0 |
| 9 | 24.0 | 21.0 | 15.0 | 8.0 | 8.0 | 13.0 | 16.0 | --- | 28.0 | 29.0 | --- | 29.0 |
| 10 | 24.0 | 21.0 | 14.0 | 7.0 | 9.0 | 12.0 | 17.0 | --- | 27.0 | 29.0 | --- | --- |
| 11 | 25.0 | 20.0 | 14.0 | 7.0 | 10.0 | --- | 18.0 | --- | 26.0 | 29.0 | --- | 25.0 |
| 12 | 25.0 | 20.0 | 16.0 | 6.0 | 9.0 | 12.0 | 17.0 | --- | 26.0 | 30.0 | --- | 24.0 |
| 13 | 25.0 | 20.0 | 16.0 | 6.0 | 9.0 | 12.0 | 17.0 | --- | 27.0 | 30.0 | --- | 28.0 |
| 14 | 22.0 | 19.0 | --- | 7.0 | 9.0 | 13.0 | 17.0 | --- | 27.0 | 29.0 | --- | 29.0 |
| 15 | 21.0 | 19.0 | --- | 8.0 | 8.0 | 12.0 | 18.0 | --- | 27.0 | 30.0 | 29.0 | 29.0 |
| 16 | 21.0 | 20.0 | --- | 8.0 | 9.0 | 11.0 | 18.0 | --- | 27.0 | 30.0 | 29.0 | 29.0 |
| 17 | 21.0 | 20.0 | --- | 8.0 | 9.0 | 12.0 | 18.0 | --- | 28.0 | 30.0 | 29.0 | 29.0 |
| 18 | 22.0 | 20.0 | --- | 8.0 | 9.0 | --- | 18.0 | --- | 28.0 | 30.0 | 29.0 | 28.0 |
| 19 | 23.0 | --- | 13.0 | 8.0 | 9.0 | 11.0 | 17.0 | --- | 28.0 | --- | 29.0 | 29.0 |
| 20 | 22.0 | --- | 14.0 | 7.0 | 10.0 | 11.0 | 17.0 | --- | 28.0 | --- | 29.0 | 28.0 |
| 21 | 22.0 | 16.0 | --- | 7.0 | 9.0 | 12.0 | 18.0 | --- | 28.0 | --- | 28.0 | 28.0 |
| 22 | 21.0 | 16.0 | --- | 6.0 | 7.0 | 13.0 | --- | --- | --- | --- | 30.0 | 28.0 |
| 23 | 21.0 | 17.0 | --- | 8.0 | 9.0 | 13.0 | 19.0 | --- | --- | 30.0 | --- | --- |
| 24 | 21.0 | 17.0 | 12.0 | 8.0 | 8.0 | 13.0 | 20.0 | --- | 29.0 | 30.0 | --- | 29.0 |
| 25 | 21.0 | 16.0 | 13.0 | 8.0 | 8.0 | 12.0 | 17.0 | --- | 29.0 | --- | --- | 28.0 |
| 26 | 22.0 | 17.0 | 13.0 | 7.0 | 8.5 | 12.0 | --- | --- | 29.0 | --- | --- | 28.0 |
| 27 | 22.0 | 18.0 | 13.0 | 8.0 | 9.0 | 14.0 | --- | --- | --- | --- | 30.0 | 28.0 |
| 28 | 21.0 | 18.0 | --- | 8.0 | 12.0 | 13.0 | --- | --- | 29.0 | --- | 29.0 | 28.0 |
| 29 | 21.0 | 16.0 | --- | --- | 11.0 | 14.0 | 16.0 | --- | 29.0 | --- | --- | 28.0 |
| 30 | 21.0 | 16.0 | --- | 9.0 | --- | --- | 19.0 | --- | 29.0 | --- | --- | --- |
| 31 | 22.0 | --- | --- | 10.0 | --- | --- | --- | --- | --- | --- | --- | --- |
| MAX | 28.0 | 22.0 | 16.0 | 12.0 | 12.0 | 14.0 | 20.0 | 20.0 | 29.0 | 30.0 | 30.0 | 30.0 |
| MIN | 21.0 | 16.0 | 12.0 | 6.0 | 7.0 | 10.0 | 16.0 | 19.0 | 25.0 | 29.0 | 28.0 | 24.0 |

## 07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

### CHLORIDE, WATER, DISSOLVED, (MG/L AS CL), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
ONCE-DAILY

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 43 | 50 | 44 | 29 | 23 | 24 | 30 | 28 | 40 | 200 | --- | 54 |
| 2 | 38 | 49 | 45 | 27 | 22 | 24 | 27 | --- | 42 | 200 | --- | --- |
| 3 | 42 | 53 | --- | 23 | 21 | 25 | 33 | 29 | 40 | 200 | --- | 54 |
| 4 | 41 | 49 | --- | --- | 24 | 24 | --- | 23 | 34 | --- | --- | 44 |
| 5 | 41 | 53 | 41 | --- | 24 | 31 | --- | --- | 32 | 350 | --- | 43 |
| 6 | 39 | 49 | 57 | --- | 21 | 29 | 34 | --- | 43 | 340 | --- | --- |
| 7 | 38 | 62 | 50 | 19 | 21 | 28 | 34 | --- | 40 | 360 | --- | 44 |
| 8 | 41 | 72 | 38 | 17 | 24 | 25 | 29 | --- | 40 | 340 | --- | 47 |
| 9 | 51 | 49 | 50 | 17 | 22 | 26 | 31 | --- | 40 | 380 | --- | 44 |
| 10 | 38 | 49 | 49 | 18 | 21 | 24 | 32 | --- | 38 | 360 | --- | --- |
| 11 | 38 | 50 | 40 | 17 | 24 | --- | 35 | --- | 34 | 340 | --- | 42 |
| 12 | 49 | 47 | 42 | 16 | 22 | 30 | 30 | --- | 38 | 350 | --- | 44 |
| 13 | 50 | 48 | 43 | 17 | 22 | 33 | 33 | --- | 38 | 360 | --- | 44 |
| 14 | 49 | 44 | --- | 19 | 26 | 37 | 31 | --- | 40 | 400 | --- | 44 |
| 15 | 44 | 48 | --- | 20 | 26 | 35 | 26 | --- | 40 | 400 | 56 | 42 |
| 16 | 53 | 41 | --- | 22 | 24 | 38 | 26 | --- | 40 | 400 | 53 | 41 |
| 17 | 49 | 42 | --- | 19 | 21 | 36 | 33 | --- | 40 | 400 | 52 | 47 |
| 18 | 53 | 42 | --- | 19 | 20 | --- | 34 | --- | 52 | 400 | 54 | 47 |
| 19 | 59 | --- | 41 | 17 | 19 | 42 | 35 | --- | 50 | --- | 56 | 43 |
| 20 | 58 | --- | 37 | 20 | 19 | 31 | 37 | --- | 52 | --- | 50 | 42 |
| 21 | 61 | 45 | --- | 20 | 21 | 30 | 42 | --- | 50 | --- | 50 | 44 |
| 22 | 61 | 40 | --- | 20 | 26 | 27 | --- | --- | --- | --- | 55 | 42 |
| 23 | 57 | 47 | --- | 21 | 32 | 26 | 33 | --- | --- | 300 | --- | --- |
| 24 | 55 | 49 | 35 | 22 | 24 | 30 | 29 | --- | 54 | 330 | --- | 54 |
| 25 | 53 | 46 | 32 | 23 | 26 | 29 | 33 | --- | 62 | --- | --- | 52 |
| 26 | 44 | 51 | 36 | 23 | 23 | 33 | --- | --- | 66 | --- | --- | 54 |
| 27 | 47 | 52 | 34 | 23 | 21 | 34 | --- | --- | --- | --- | 56 | 58 |
| 28 | 53 | 53 | --- | 26 | 26 | 31 | --- | --- | 110 | --- | 60 | 55 |
| 29 | 46 | 51 | --- | --- | 24 | 31 | 29 | --- | 160 | --- | --- | 55 |
| 30 | 48 | 48 | --- | 21 | --- | --- | 29 | --- | 160 | --- | --- | --- |
| 31 | 45 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MAX | 61 | 72 | 57 | 29 | 32 | 42 | 42 | 29 | 160 | 400 | 60 | 58 |
| MIN | 38 | 40 | 32 | 16 | 19 | 24 | 26 | 23 | 32 | 200 | 50 | 41 |

| DATE | SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) |
|---|---|
| OCT | |
| 01-10 | 360 |
| 11-20 | 345 |
| 21-31 | 390 |
| NOV | |
| 01-10 | 415 |
| 11-20 | 400 |
| 21-30 | 340 |
| DEC | |
| 01-10 | 289 |
| 11-20 | 292 |
| 21-31 | 311 |
| JAN | |
| 01-10 | 234 |
| 11-20 | 189 |
| 21-31 | 200 |
| FEB | |
| 01-10 | 200 |
| 11-20 | 225 |
| 21-29 | 245 |
| MAR | |
| 01-10 | 250 |
| 11-20 | 264 |
| 21-31 | 242 |

| DATE | SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) |
|---|---|
| APR | |
| 01-10 | 249 |
| 11-20 | 266 |
| 21-31 | 285 |
| MAY | |
| 01-10 | 280 |
| 11-20 | 278 |
| 21-31 | 293 |
| JUN | |
| 01-10 | 309 |
| 11-20 | 345 |
| 21-30 | 490 |
| JUL | |
| 01-10 | 900 |
| 11-20 | 1030 |
| 21-31 | 908 |
| AUG | |
| 01-10 | -- |
| 11-20 | 328 |
| 21-31 | 350 |
| SEP | |
| 01-10 | 331 |
| 11-20 | 320 |
| 21-30 | 331 |

## 07374550 MISSISSIPPI RIVER AT VENICE, LA (CE 01480)

LOCATION.--Lat 29°16'26", long 89°21'00", T.21 S., R.31 E., Plaquemines Parish, Hydrologic Unit 08090100, cross section of river at Venice and at mile 10.7.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--Water years 1973 to current year.

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | SPE- CIFIC CON- DUCT- ANCE (US/CM) | PH (STAND- ARD UNITS) | TEMPER- ATURE WATER (DEG C) | COLOR (PLAT- INUM- COBALT UNITS) | TUR- BID- ITY (NTU) | SETTLE- ABLE MATTER (ML/L/ HR) | OXYGEN, DIS- SOLVED (MG/L) | OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) | OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987<br>28... | 1600 | 4630 | 7.90 | 20.0 | 10 | 6.3 | <1 | 8.1 | 24 | 1.0 |
| NOV<br>19... | 1600 | 4740 | 7.80 | 17.0 | 5 | 3.7 | <1 | 8.4 | 98 | 0.4 |
| DEC<br>11... | 1200 | 532 | 7.90 | 14.0 | 15 | 40 | <1 | 9.2 | 18 | 1.4 |
| JAN 1988<br>07... | 1630 | 297 | 7.70 | 7.5 | 30 | 100 | <1 | 9.8 | <10 | 1.6 |
| FEB<br>24... | 1630 | 328 | 7.89 | 7.0 | 30 | 100 | <1 | 11.4 | <10 | 3.6 |
| MAR<br>17... | 1545 | 431 | 7.20 | -- | 10 | 70 | <1 | 9.7 | 97 | 0.9 |
| APR<br>07... | 1700 | 403 | 7.60 | 17.0 | 10 | 17 | <1 | 8.9 | 32 | 1.4 |
| MAY<br>12 .. | 1545 | -- | 8.00 | 21.0 | 10 | 16 | <1 | 8.4 | 10 | 1.8 |
| JUN<br>06... | 1030 | 1450 | 7.75 | 24.5 | 5 | 3.0 | <1 | 7.3 | 39 | 1.3 |
| JUL<br>08... | 1400 | 5900 | 8.13 | 31.0 | 5 | 2.1 | <1 | 8.7 | 39 | -- |
| AUG<br>04... | 1330 | 3590 | 7.70 | 31.0 | 0 | 0.5 | <1 | 6.2 | 29 | 1.3 |
| SEP<br>27... | 1045 | 5770 | 8.03 | 29.0 | 10 | 8.2 | <1 | 7.3 | -- | 2.5 |

| DATE | COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) | COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) | HARD- NESS TOTAL (MG/L AS CACO3) | CALCIUM DIS- SOLVED (MG/L AS CA) | MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) | ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DIS- SOLVED (MG/L AS SO4) | CHLO- RIDE, DIS- SOLVED (MG/L AS CL) | RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) | NITRO- GEN, NITRITE TOTAL (MG/L AS N) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987<br>28... | 1600 | 120 | 590 | 71 | 100 | 141 | 230 | 1300 | 18 | 0.02 |
| NOV<br>19... | 1800 | 370 | 600 | 75 | 100 | 151 | 230 | 1300 | 23 | 0.05 |
| DEC<br>11... | 2400 | K850 | 150 | 37 | 14 | 99 | 57 | 58 | 74 | 0.06 |
| JAN<br>07... | 2400 | 280 | 100 | 27 | 8.7 | 73 | 37 | 21 | 762 | 0.05 |
| FEB<br>24... | 1300 | 220 | 120 | 33 | 9.5 | 82 | 41 | 23 | 206 | 0.04 |
| MAR<br>17... | 1100 | 200 | 150 | 40 | 11 | 103 | 44 | 38 | 185 | 0.05 |
| APR<br>07... | 1200 | 230 | 150 | 39 | 12 | 105 | 41 | 30 | 257 | 0.07 |
| MAY<br>12... | 1300 | 50 | 170 | 43 | 15 | -- | 48 | 32 | 22 | 0.01 |
| JUN<br>06... | 520 | 56 | 260 | 50 | 33 | 132 | 98 | 280 | 15 | 0.05 |
| JUL<br>08... | 86 | 28 | 720 | 74 | 130 | 154 | 300 | 800 | 43 | 0.09 |
| AUG<br>04... | 540 | 44 | 490 | 63 | 80 | 149 | 200 | 890 | 21 | 0.10 |
| SEP<br>27... | 650 | 220 | 660 | 68 | 120 | 137 | 260 | 1400 | 76 | 0.03 |

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal colony count).

## 07374550 MISSISSIPPI RIVER AT VENICE, LA (CE 01480)--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) | NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) | PHOSPHOROUS TOTAL (MG/L AS P) | ARSENIC TOTAL (UG/L AS AS) | ARSENIC DIS-SOLVED (UG/L AS AS) | BERYLLIUM, TOTAL RECOV-ERABLE (UG/L AS BE) | BERYLLIUM, DIS-SOLVED (UG/L AS BE) | CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) | CADMIUM DIS-SOLVED (UG/L AS CD) | CHROMIUM, TOTAL RECOV-ERABLE (UG/L AS CR) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 28... | 1.2 | 0.22 | 0.17 | 2 | 2 | <10 | <10 | 5 | 3 | <10 |
| NOV | | | | | | | | | | |
| 19... | 1.0 | 0.24 | 0.14 | 2 | 2 | <10 | <10 | 1 | <1 | <10 |
| DEC | | | | | | | | | | |
| 11... | 0.71 | 0.22 | 0.20 | 2 | -- | -- | -- | -- | -- | -- |
| JAN 1988 | | | | | | | | | | |
| 07... | 1.0 | 1.3 | 0.88 | 6 | <1 | <10 | <10 | <1 | <1 | 20 |
| FEB | | | | | | | | | | |
| 24... | 1.5 | 0.75 | 0.52 | 1 | <1 | <10 | <10 | <1 | <1 | <10 |
| MAR | | | | | | | | | | |
| 17... | 1.9 | 0.42 | 0.38 | 1 | <1 | <10 | <10 | <1 | <1 | <10 |
| APR | | | | | | | | | | |
| 07... | 1.5 | 0.50 | 0.36 | 1 | <1 | <10 | <10 | <1 | <1 | <10 |
| MAY | | | | | | | | | | |
| 12... | 1.5 | 0.22 | 0.18 | 1 | <1 | <10 | <10 | 1 | <1 | <10 |
| JUN | | | | | | | | | | |
| 06... | 0.92 | 0.36 | 0.10 | 1 | 1 | <10 | <10 | <1 | <1 | <10 |
| JUL | | | | | | | | | | |
| 08... | 0.72 | <0.20 | 0.10 | 2 | 2 | <10 | <10 | <1 | 1 | 10 |
| AUG | | | | | | | | | | |
| 04... | 0.28 | 0.43 | 0.10 | 2 | 2 | <10 | <10 | <1 | 1 | <10 |
| SEP | | | | | | | | | | |
| 27 .. | 3.4 | 0.29 | 0.16 | 2 | 2 | <10 | <10 | <1 | <1 | <10 |

| DATE | CHROMIUM, HEXA-VALENT, DIS. (UG/L AS CR) | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) | COPPER, DIS-SOLVED (UG/L AS CU) | IRON, DIS-SOLVED (UG/L AS FE) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) | LEAD, DIS-SOLVED (UG/L AS PB) | MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) | MERCURY DIS-SOLVED (UG/L AS HG) | NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) | NICKEL, DIS-SOLVED (UG/L AS NI) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 28... | <1 | 9 | 5 | <8 | <5 | <5 | <0.1 | <0.1 | 1 | 3 |
| NOV | | | | | | | | | | |
| 19... | <1 | 9 | 6 | <8 | <5 | <5 | <0.1 | 0.2 | 5 | 4 |
| DEC | | | | | | | | | | |
| 11... | <1 | -- | -- | <8 | -- | -- | 0.2 | <0.1 | -- | -- |
| JAN 1988 | | | | | | | | | | |
| 07... | <1 | 20 | 3 | 60 | 20 | <5 | 0.1 | <0.1 | 20 | 4 |
| FEB | | | | | | | | | | |
| 24... | <1 | 10 | 7 | 100 | 20 | <5 | <0.1 | <0.1 | 10 | 4 |
| MAR | | | | | | | | | | |
| 17... | <1 | 10 | 3 | 100 | 10 | <5 | <0.1 | <0.1 | 3 | <1 |
| APR | | | | | | | | | | |
| 07... | <1 | 8 | 3 | 110 | 10 | <5 | <0.1 | <0.1 | 3 | <1 |
| MAY | | | | | | | | | | |
| 12... | <1 | 5 | 2 | 80 | 10 | <5 | <0.1 | <0.1 | 2 | 1 |
| JUN | | | | | | | | | | |
| 06... | <1 | 7 | 6 | 40 | <5 | <5 | <0.1 | 0.2 | 1 | <1 |
| JUL | | | | | | | | | | |
| 08... | 1 | 9 | 10 | 40 | <5 | <5 | <0.1 | <0.1 | 5 | 3 |
| AUG | | | | | | | | | | |
| 04... | <1 | 5 | 6 | 160 | <5 | <5 | <0.1 | 0.2 | 2 | 3 |
| SEP | | | | | | | | | | |
| 27... | <1 | 5 | 2 | 20 | 5 | <5 | <0.1 | <0.1 | 1 | 1 |

< Actual value is known to be less than the value shown.

## 07374550 MISSISSIPPI RIVER AT VENICE, LA (CE 01480)--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | SELENIUM, TOTAL (UG/L AS SE) | SELENIUM, DISSOLVED (UG/L AS SE) | VANADIUM, DISSOLVED (UG/L AS V) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) | ZINC, DISSOLVED (UG/L AS ZN) | CARBON, ORGANIC TOTAL (MG/L AS C) | CYANIDE TOTAL (MG/L AS CN) | PHENOLS TOTAL (UG/L) | OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L) |
|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | |
| 28... | <1 | <1 | 34 | 10 | 10 | 4.4 | <0.01 | 6 | 1 |
| NOV | | | | | | | | | |
| 19... | <1 | <1 | 25 | 30 | 30 | 3.4 | <0.01 | 14 | <1 |
| DEC | | | | | | | | | |
| 11... | <1 | -- | <1 | -- | -- | 6.5 | <0.01 | 11 | 2 |
| JAN 1988 | | | | | | | | | |
| 07... | <1 | <1 | <1 | 80 | 10 | 8.2 | <0.01 | 6 | 3 |
| FEB | | | | | | | | | |
| 24... | <1 | <1 | <1 | 50 | 30 | 9.8 | <0.01 | 10 | 3 |
| MAR | | | | | | | | | |
| 17... | <1 | <1 | <1 | 20 | <10 | 6.8 | <0.01 | 8 | 1 |
| APR | | | | | | | | | |
| 07... | <1 | <1 | <1 | 30 | 10 | 7.5 | <0.01 | 2 | 2 |
| MAY | | | | | | | | | |
| 12... | <1 | <1 | <1 | 10 | <10 | 4.8 | <0.01 | 2 | 2 |
| JUN | | | | | | | | | |
| 06... | <1 | <1 | 5 | 10 | 10 | 3.7 | <0.01 | 3 | 2 |
| JUL | | | | | | | | | |
| 08... | <1 | <1 | E25 | 10 | 20 | 4.0 | <0.01 | 1 | <1 |
| AUG | | | | | | | | | |
| 04... | <1 | <1 | 11 | 20 | 20 | 3.7 | <0.01 | 1 | 1 |
| SEP | | | | | | | | | |
| 27... | <1 | <1 | 20 | 40 | 20 | -- | -- | -- | -- |

< Actual value is known to be less than the value shown.
E Estimated.

## 07374570 CANAL W-14 AT ROBERTS ROAD, AT SLIDELL, LA

LOCATION.--Lat 30°17'35", long 89°46'00", in SW 1/4 SW 1/4, sec.2, T.9 S., R.14 E., St. Tammany Parish, Hydrologic Unit 08090201, on downstream side of concrete culvert on Roberts Road, 1.5 mi northeast of Slidell city hall.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Annual peaks, water years 1966-85, October 1985 to September 1988 (elevations only) discontinued.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1985, flood-profile gage at same site and datum.

REMARKS.--Lowest recordable elevation of 4.48 ft May 24, May 26 to June 4, June 6-8, 15-22, June 24 to July 5, July 7-16, 22-25, Aug. 3-5, 26-29, 31, Sept. 2, and Sept. 23-30.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 13.24 ft Mar. 17, 1987; minimum, not determined.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 13.17 ft Apr. 2; minimum, not determined.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.28 | 5.29 | 5.21 | 5.48 | 5.85 | 4.54 | 5.30 | 4.55 |  |  | 4.56 |  |
| 2 | 5.26 | 5.30 | 5.22 | 5.07 | 5.18 | 4.55 | 9.64 | 4.52 |  |  | 4.49 |  |
| 3 | 5.30 | 5.31 | 4.97 | 4.71 | 6.77 | 7.16 | 5.93 | 4.50 |  |  |  | 6.52 |
| 4 | 5.30 | 5.38 | 4.68 | 4.65 | 5.86 | 7.62 | 5.10 | 4.50 |  |  |  | 7.15 |
| 5 | 5.30 | 5.33 | 4.66 | 4.60 | 5.43 | 5.19 | 4.85 | 4.52 | 4.83 |  |  | 5.23 |
| 6 | 5.31 | 5.31 | 4.69 | 4.58 | 5.16 | 4.91 | 4.75 | 4.51 |  | 4.62 | 4.92 | 4.77 |
| 7 | 5.31 | 5.30 | 4.70 | 4.95 | 4.82 | 4.80 | 4.75 | 4.51 |  |  | 5.98 | 4.63 |
| 8 | 5.28 | 5.30 | 4.69 | 4.71 | 4.73 | 4.81 | 4.71 | 4.52 |  |  | 5.06 | 4.57 |
| 9 | 5.24 | 5.86 | 4.68 | 4.61 | 4.67 | 5.16 | 4.67 | 4.53 | 4.67 |  | 6.64 | 4.90 |
| 10 | 5.25 | 5.29 | 4.71 | 4.59 | 4.63 | 4.79 | 4.65 | 4.54 | 5.24 |  | 5.09 | 6.34 |
| 11 | 5.25 | 5.23 | 4.71 | 4.57 | 4.85 | 4.68 | 4.58 | 4.52 | 4.51 |  | 4.61 | 5.36 |
| 12 | 5.27 | 5.23 | 4.71 | 4.57 | 4.72 | 4.63 | 4.55 | 4.52 | 4.49 |  | 4.63 | 5.63 |
| 13 | 5.26 | 5.21 | 4.72 | 4.70 | 4.64 | 4.61 | 4.54 | 4.52 | 4.50 |  | 4.57 | 4.78 |
| 14 | 5.27 | 5.22 | 4.72 | 4.60 | 4.62 | 4.59 | 4.54 | 4.53 | 4.50 |  | 4.59 | 4.61 |
| 15 | 5.27 | 5.26 | 4.76 | 4.55 | 6.39 | 4.57 | 4.53 | 4.52 |  |  | 4.57 | 4.55 |
| 16 | 5.27 | 5.82 | 4.66 | 4.54 | 4.68 | 4.56 | 4.53 | 4.52 |  |  | 5.83 | 6.73 |
| 17 | 5.27 | 5.82 | 4.64 | 6.24 | 4.97 | 4.55 | 4.53 | 4.53 |  | 5.13 | 6.77 | 5.53 |
| 18 | 5.28 | 5.24 | 4.64 | 4.85 | 8.41 | 5.29 | 4.59 | 4.52 |  | 4.68 | 5.23 | 4.81 |
| 19 | 5.27 | 5.21 | 4.65 | 5.04 | 5.84 | 4.67 | 4.55 | 4.52 |  | 4.60 | 4.63 | 4.66 |
| 20 | 5.27 | 5.20 | 4.67 | 4.96 | 5.14 | 4.60 | 4.51 | 4.50 |  | 4.49 | 4.75 | 4.58 |
| 21 | 5.27 | 5.22 | 5.55 | 4.72 | 4.85 | 4.58 | 4.52 | 5.21 |  | 4.48 | 5.43 | 4.51 |
| 22 | 5.27 | 5.23 | 4.82 | 4.64 | 4.74 | 4.55 | 4.51 | 4.57 |  |  | 5.08 | 4.48 |
| 23 | 5.27 | 5.23 | 4.61 | 4.60 | 4.67 | 4.54 | 4.50 | 4.50 | 4.59 |  | 4.65 |  |
| 24 | 5.28 | 5.24 | 4.61 | 4.81 | 4.63 | 4.57 | 4.51 |  |  |  | 4.90 |  |
| 25 | 5.29 | 5.25 | 4.59 | 4.80 | 4.61 | 4.88 | 4.50 | 4.60 |  |  | 4.61 |  |
| 26 | 5.36 | 5.39 | 4.58 | 4.64 | 4.59 | 4.95 | 4.49 |  |  |  |  |  |
| 27 | 5.34 | 5.26 | 4.61 | 4.59 | 4.59 | 4.65 | 4.49 |  |  | 4.65 |  |  |
| 28 | 5.29 | 5.27 | 4.63 | 4.57 | 4.57 | 4.57 | 4.50 |  |  | 4.95 |  |  |
| 29 | 5.28 | 5.23 | 4.58 | 4.56 | 4.56 | 4.54 | 4.54 |  |  | 4.67 |  |  |
| 30 | 5.28 | 5.22 | 4.58 | 4.59 |  | 6.72 | 4.70 |  |  | 4.51 | 4.60 |  |
| 31 | 5.28 | --- | 5.26 | 4.59 | --- | 6.57 | --- |  |  | 4.49 |  |  |
| MAX | 5.36 | 5.86 | 5.55 | 6.24 | 8.41 | 7.62 | 9.64 | 5.21 | 5.24 | 5.13 | 6.77 | 7.15 |
| MIN | 5.24 | 5.20 | 4.58 | 4.54 | 4.56 | 4.54 | 4.49 |  |  |  |  |  |

## 07374573 CANAL W-14 AT KINGSPOINT BOULEVARD, AT SLIDELL, LA

LOCATION.--Lat 30°15'27", long 89°45'08", in SW 1/4 SW 1/4 sec.13, T.9 S., R.14 E., St. Tammany Parish, Hydrologic Unit 08090201, on downstream side of bridge at Kingspoint Boulevard, off Interstate Service Road, 1.25 mi from the intersection of Interstate 10 and Highway 433, and 2.1 mi southeast of Slidell city hall.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1985 to September 1987 (gage heights and discharge), October 1987 to September 1988 (gage-heights only) discontinued.

GAGE.--Water-stage recorder. Datum of gage is 7.91 ft below National Geodetic Vertical Datum of 1929.

REMARKS.--Gage heights affected by tide at all stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge recorded, 222 ft³/s Mar. 18, 1987; minimum daily discharge recorded, -32 ft³/s Sept. 23, 1987.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 11.70 ft Apr. 2; minimum gage height, 6.99 ft Apr. 12.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9.03 | 8.82 | 8.28 | 8.76 | 9.12 | 8.32 | 9.87 | 9.65 | 9.13 | 8.34 | --- | 9.31 |
| 2 | 8.99 | 8.87 | 8.39 | 8.78 | 9.35 | 8.65 | 11.01 | 9.47 | 9.07 | 8.35 | --- | 9.90 |
| 3 | 8.64 | 9.08 | 8.56 | 9.01 | 9.44 | 9.51 | 10.87 | 9.32 | 8.84 | 8.38 | --- | 10.12 |
| 4 | 8.78 | 9.41 | 8.40 | 8.82 | 9.20 | 10.65 | 10.46 | 9.17 | 8.68 | 8.65 | 9.23 | 10.29 |
| 5 | 8.77 | 9.38 | 8.34 | 8.62 | 9.03 | 9.52 | 10.04 | 8.74 | 9.30 | 8.89 | 9.32 | 9.99 |
| 6 | 8.57 | 9.24 | 8.59 | 8.56 | 8.99 | 9.12 | 9.65 | 8.55 | 9.81 | 9.23 | 9.39 | 9.81 |
| 7 | 8.43 | 9.23 | 9.06 | 9.04 | 8.74 | 8.82 | 9.20 | 8.36 | 9.63 | 9.54 | 9.44 | 9.72 |
| 8 | 8.51 | 9.31 | 9.46 | 8.80 | 8.53 | 8.84 | 8.89 | 8.48 | 9.30 | 9.62 | 9.48 | 9.79 |
| 9 | 8.74 | 9.57 | 9.50 | 8.80 | 8.35 | 8.98 | 8.85 | 8.76 | 8.92 | 9.63 | 10.55 | 10.10 |
| 10 | 8.87 | 9.44 | 9.20 | 8.57 | 8.33 | 8.64 | 8.90 | 8.62 | 8.89 | 9.60 | 10.60 | 10.79 |
| 11 | 8.85 | 8.53 | 8.86 | 8.45 | 8.57 | 8.42 | 8.82 | 8.50 | 8.84 | 9.39 | 10.10 | 10.51 |
| 12 | 8.53 | 8.39 | 8.74 | 8.38 | 8.23 | 8.89 | 7.57 | 8.63 | 8.93 | 9.16 | 9.63 | 10.11 |
| 13 | 8.32 | 8.38 | 8.96 | 8.26 | 7.86 | 8.82 | 7.52 | 8.74 | 9.18 | 9.03 | 9.49 | 9.70 |
| 14 | 8.61 | 8.67 | 9.51 | 8.33 | 8.05 | 8.56 | 7.91 | 8.61 | 9.30 | 8.85 | 9.41 | 9.50 |
| 15 | 8.94 | 9.10 | 9.38 | 8.41 | 9.06 | 7.85 | 8.17 | 8.53 | 9.25 | 8.74 | 9.05 | 9.86 |
| 16 | 8.89 | 9.62 | 8.43 | 8.44 | 8.43 | 7.89 | 8.41 | 8.46 | 9.11 | 8.73 | 9.07 | 10.54 |
| 17 | 8.73 | 9.74 | 8.16 | 9.05 | 8.65 | 8.16 | 8.61 | 8.44 | 8.86 | 8.54 | 9.81 | 10.65 |
| 18 | 8.65 | 9.40 | 8.31 | 8.99 | 9.80 | 8.95 | 8.90 | 8.47 | 8.70 | 8.57 | 9.24 | 10.32 |
| 19 | 8.74 | 9.36 | 8.68 | 9.27 | 10.01 | 8.49 | 8.77 | 8.56 | 8.72 | 8.46 | 8.98 | 9.98 |
| 20 | 8.83 | 9.03 | 8.92 | 9.29 | 9.50 | 7.87 | 8.74 | 8.68 | 8.82 | 8.49 | 8.83 | 9.67 |
| 21 | 8.63 | 8.62 | 9.03 | 8.93 | 9.08 | 7.66 | 8.78 | 8.71 | 8.87 | 8.71 | 8.72 | 9.45 |
| 22 | 8.96 | 8.71 | 9.03 | 8.41 | 8.81 | 7.74 | 8.81 | 8.78 | 8.92 | 8.81 | 8.79 | 9.29 |
| 23 | 9.15 | 8.97 | 8.91 | 8.05 | 8.77 | 7.96 | 8.84 | 8.41 | 9.03 | --- | 8.81 | 9.09 |
| 24 | 9.31 | 9.12 | 9.04 | 8.19 | 8.77 | 8.52 | 8.84 | 8.04 | 9.14 | --- | 8.71 | 8.92 |
| 25 | 9.29 | 9.29 | 9.05 | 8.25 | 8.68 | 8.81 | 8.76 | 8.17 | 9.17 | --- | 8.65 | 8.70 |
| 26 | 9.18 | 9.40 | 8.97 | 7.45 | 8.42 | 9.09 | 8.66 | 8.57 | 9.01 | --- | 8.73 | 8.73 |
| 27 | 8.97 | 9.45 | 8.95 | 7.56 | 8.18 | 8.84 | 8.64 | 8.75 | 8.77 | --- | 8.83 | 9.04 |
| 28 | 8.77 | 9.44 | 8.64 | 7.66 | 8.14 | 8.78 | 8.69 | 8.80 | 8.66 | --- | 9.01 | 9.26 |
| 29 | 8.69 | 8.93 | 7.71 | 7.82 | 8.24 | 9.01 | 8.80 | 8.82 | 8.67 | --- | 9.03 | 9.40 |
| 30 | 8.64 | 8.45 | 7.83 | 8.23 | --- | 9.50 | 9.22 | 8.92 | 8.49 | --- | 8.92 | 9.50 |
| 31 | 8.75 | --- | 8.45 | 8.63 | --- | 9.83 | --- | 9.06 | --- | --- | 9.05 | --- |
| MAX | 9.31 | 9.74 | 9.51 | 9.29 | 10.01 | 10.65 | 11.01 | 9.65 | 9.81 | 9.63 | 10.60 | 10.79 |
| MIN | 8.32 | 8.38 | 7.71 | 7.45 | 7.86 | 7.66 | 7.52 | 8.04 | 8.49 | 8.34 | 8.65 | 8.70 |

## 07375000 TCHEFUNCTA RIVER NEAR FOLSOM, LA

LOCATION.--Lat 30°36'57", long 90°14'55", on line between SE 1/4 NE 1/4 and SW 1/4 NE 1/4 sec.13, T.5 S., R.9 E., St. Helena meridian, Tangipahoa Parish, Hydrologic Unit 08090201, near center of span on downstream side of bridge on State Highway 40, 1.2 mi upstream from Bull Branch, and 3.6 mi southwest of Folsom.

DRAINAGE AREA.--95.5 mi$^2$, not including Bull Branch which has a drainage area of 7.5 mi$^2$ at State Highway 40. Total drainage area for extreme floods is 103 mi$^2$.

PERIOD OF RECORD.--October 1943 to current year. Prior to January 1944 monthly discharge only, published in WSP 1311. Prior to October 1954, published as Chefuncte River near Folsom.

REVISED RECORDS.--WSP 1057: 1944(M), 1945. WRD LA-83-2: 1948(M), 1953(M), 1961(M), 1962(M), 1973(M), 1977(M).

GAGE.--Water-stage recorder. Datum of gage is 62.11 ft above National Geodetic Vertical Datum of 1929. Prior to June 9, 1944, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges. Records good. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--45 years, 160 ft$^3$/s, 22.75 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 29,800 ft$^3$/s Apr. 5, 1983, gage height, 24.12 ft from rating curve extended above 13,000 ft$^3$/s by slope conveyance measurement at gage height 24.12 ft; minimum discharge, 26 ft$^3$/s Sept. 4, 15, 1968; minimum gage height, 4.75 ft Oct. 4, 5, 6, 1986.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 1,300 ft$^3$/s and maximum (*):

| Date | Time | Discharge (ft$^3$/s) | Gage height (ft) | Date | Time | Discharge (ft$^3$/s) | Gage height (ft) |
|---|---|---|---|---|---|---|---|
| Feb. 2 | 1330 | *11,200 | *20.96 | Apr. 3 | 0200 | 7,000 | 19.64 |
| Feb. 19 | 2000 | 3,260 | 17.11 | Aug. 18 | 1900 | 1,750 | 14.76 |
| Mar. 4 | 0630 | 2,000 | 15.30 | Sept. 5 | 1000 | 1,680 | 14.59 |

Minimum discharge, 38 ft$^3$/s Oct. 19, 20, 21, 22, 23, 24; minimum gage height, 5.06 ft, Oct. 21, 22, 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 49 | 41 | 52 | 56 | 283 | 105 | 1400 | 69 | 49 | 45 | 50 | 454 |
| 2 | 44 | 40 | e51 | 69 | 6600 | 100 | 3290 | 67 | 48 | 43 | 50 | 137 |
| 3 | 42 | 40 | e51 | 80 | 2880 | 418 | 4580 | 65 | 48 | 43 | 54 | 135 |
| 4 | 42 | 41 | e51 | 67 | 1280 | 1630 | 1310 | 64 | 48 | 44 | 52 | 357 |
| 5 | 41 | 41 | e51 | 60 | 757 | 709 | 580 | 62 | 51 | 49 | 49 | 1430 |
| 6 | 41 | 40 | e50 | 56 | 672 | 296 | 342 | 61 | 54 | 120 | 48 | 928 |
| 7 | 41 | 40 | e50 | 57 | 579 | 203 | 329 | 60 | 62 | 202 | 50 | 277 |
| 8 | 40 | 40 | e50 | 86 | 374 | 168 | 209 | 59 | 68 | 100 | 49 | 132 |
| 9 | 40 | 43 | e50 | 92 | 246 | 299 | 159 | 58 | 55 | 69 | 54 | 100 |
| 10 | 40 | 50 | 50 | 70 | 194 | 724 | 135 | 58 | 54 | 62 | 80 | 126 |
| 11 | 40 | 51 | 49 | 63 | 162 | 604 | 122 | 58 | 55 | 66 | 107 | 277 |
| 12 | 40 | 47 | 49 | 59 | 158 | 283 | 110 | 58 | 51 | 80 | 81 | 200 |
| 13 | 39 | 46 | 49 | 59 | 165 | 196 | 102 | 57 | 48 | 62 | 63 | 150 |
| 14 | 39 | 46 | 49 | 67 | 140 | 157 | 96 | 56 | 46 | 56 | 64 | 116 |
| 15 | 39 | 47 | 50 | 65 | 523 | 130 | 91 | 55 | 45 | 55 | 58 | 93 |
| 16 | 39 | 52 | 53 | 60 | 883 | 116 | 87 | 54 | 45 | 60 | 65 | 91 |
| 17 | 39 | 103 | 51 | 59 | 662 | 107 | 85 | 53 | 44 | 111 | 92 | 235 |
| 18 | 39 | 115 | 49 | 61 | 547 | 140 | 85 | 52 | 43 | 170 | 1010 | 226 |
| 19 | 39 | 70 | 49 | 79 | 2700 | 250 | 117 | 51 | 44 | 146 | 987 | 124 |
| 20 | 39 | 57 | 50 | 162 | 2080 | 171 | 170 | 51 | 50 | 232 | 238 | 96 |
| 21 | 38 | 53 | 56 | 138 | 833 | 129 | 109 | 53 | 52 | 106 | 125 | 82 |
| 22 | 38 | 51 | 103 | 93 | 377 | 114 | 91 | 66 | 59 | 95 | 108 | 73 |
| 23 | 38 | 50 | 107 | 77 | 235 | 105 | 86 | 71 | 74 | 161 | 85 | 67 |
| 24 | 39 | 49 | 75 | 71 | 190 | 99 | 86 | 61 | 65 | 94 | 75 | 64 |
| 25 | 39 | 49 | 66 | 79 | 159 | 99 | 83 | 57 | 62 | 72 | 80 | 61 |
| 26 | 41 | 50 | 61 | 91 | 136 | 215 | 79 | 54 | 63 | 63 | 78 | 59 |
| 27 | 44 | 59 | 60 | 76 | 124 | 1020 | 75 | 53 | 58 | 59 | 66 | 57 |
| 28 | 45 | 65 | 64 | 68 | 116 | 483 | 71 | 51 | 52 | 57 | 61 | 55 |
| 29 | 42 | 65 | 59 | 64 | 110 | 184 | 68 | 51 | 48 | 54 | 57 | 58 |
| 30 | 41 | 55 | 56 | 62 | --- | 263 | 68 | 50 | 46 | 52 | 99 | 97 |
| 31 | 41 | --- | 54 | 61 | --- | 859 | --- | 49 | --- | 51 | 225 | --- |
| TOTAL | 1258 | 1596 | 1765 | 2307 | 24165 | 10376 | 14215 | 1784 | 1587 | 2679 | 4360 | 6357 |
| MEAN | 40.6 | 53.2 | 56.9 | 74.4 | 833 | 335 | 474 | 57.5 | 52.9 | 86.4 | 141 | 212 |
| MAX | 49 | 115 | 107 | 162 | 6600 | 1630 | 4580 | 71 | 74 | 232 | 1010 | 1430 |
| MIN | 38 | 40 | 49 | 56 | 110 | 99 | 68 | 49 | 43 | 43 | 48 | 55 |
| CFSM | .39 | .52 | .55 | .72 | 8.09 | 3.25 | 4.60 | .56 | .51 | .84 | 1.37 | 2.06 |
| IN. | .45 | .58 | .64 | .83 | 8.73 | 3.75 | 5.13 | .64 | .57 | .97 | 1.57 | 2.30 |

| | | | | | | |
|---|---|---|---|---|---|---|
| CAL YR 1987 | TOTAL 66125 | MEAN 181 | MAX 4230 | MIN 38 | CFSM 1.76 | IN. 23.88 |
| WTR YR 1988 | TOTAL 72449 | MEAN 198 | MAX 6600 | MIN 38 | CFSM 1.92 | IN. 26.17 |

e Estimated.

## 07375000 TCHEFUNCTA RIVER NEAR FOLSOM, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.29 | 5.13 | 5.33 | 5.40 | 7.32 | 6.19 | 13.90 | 5.75 | 5.42 | 5.34 | 5.34 | 9.49 |
| 2 | 5.18 | 5.12 | 5.31 | 5.63 | 18.79 | 6.12 | 16.24 | 5.72 | 5.41 | 5.31 | 5.33 | 6.65 |
| 3 | 5.15 | 5.12 | --- | 5.81 | 16.47 | 8.84 | 17.98 | 5.69 | 5.41 | 5.30 | 5.41 | 6.62 |
| 4 | 5.14 | 5.12 | --- | 5.59 | 13.46 | 14.41 | 13.48 | 5.67 | 5.40 | 5.33 | 5.37 | 8.65 |
| 5 | 5.12 | 5.13 | --- | 5.47 | 11.39 | 11.05 | 10.32 | 5.64 | 5.45 | 5.42 | 5.31 | 13.89 |
| 6 | 5.13 | 5.11 | --- | 5.41 | 10.92 | 8.29 | 8.68 | 5.62 | 5.51 | 6.38 | 5.31 | 12.13 |
| 7 | 5.13 | 5.10 | --- | 5.42 | 10.36 | 7.40 | 8.57 | 5.61 | 5.64 | 7.39 | 5.33 | 8.04 |
| 8 | 5.12 | 5.10 | --- | 5.91 | 8.92 | 7.02 | 7.46 | 5.60 | 5.74 | 6.17 | 5.32 | 6.61 |
| 9 | 5.11 | 5.16 | 5.30 | 6.00 | 7.85 | 8.22 | 6.93 | 5.58 | 5.54 | 5.71 | 5.41 | 6.19 |
| 10 | 5.11 | 5.31 | 5.30 | 5.65 | 7.31 | 11.20 | 6.66 | 5.57 | 5.51 | 5.59 | 5.83 | 6.52 |
| 11 | 5.11 | 5.31 | 5.28 | 5.53 | 6.96 | 10.48 | 6.48 | 5.57 | 5.54 | 5.65 | 6.24 | 8.13 |
| 12 | 5.10 | 5.25 | 5.28 | 5.47 | 6.92 | 8.17 | 6.33 | 5.57 | 5.46 | 5.88 | 5.86 | 7.36 |
| 13 | 5.10 | 5.23 | 5.28 | 5.47 | 6.99 | 7.33 | 6.23 | 5.55 | 5.39 | 5.60 | 5.56 | 6.84 |
| 14 | 5.09 | 5.23 | 5.29 | 5.59 | 6.69 | 6.90 | 6.14 | 5.54 | 5.37 | 5.51 | 5.59 | 6.41 |
| 15 | 5.09 | 5.24 | 5.30 | 5.57 | 9.88 | 6.56 | 6.07 | 5.53 | 5.36 | 5.47 | 5.49 | 6.10 |
| 16 | 5.09 | 5.33 | 5.36 | 5.48 | 12.05 | 6.35 | 6.01 | 5.50 | 5.34 | 5.55 | 5.59 | 6.07 |
| 17 | 5.10 | 6.16 | 5.32 | 5.47 | 10.82 | 6.22 | 5.98 | 5.49 | 5.33 | 6.32 | 6.01 | 7.70 |
| 18 | 5.09 | 6.34 | 5.29 | 5.50 | 9.99 | 6.67 | 5.99 | 5.48 | 5.32 | 7.04 | 11.80 | 7.62 |
| 19 | 5.09 | 5.65 | 5.29 | 5.78 | 16.32 | 7.88 | 6.41 | 5.46 | 5.33 | 6.77 | 12.30 | 6.52 |
| 20 | 5.08 | 5.43 | 5.30 | 6.96 | 15.25 | 7.05 | 7.05 | 5.45 | 5.43 | 7.70 | 7.68 | 6.14 |
| 21 | 5.07 | 5.35 | 5.41 | 6.65 | 11.70 | 6.53 | 6.31 | 5.50 | 5.47 | 6.22 | 6.51 | 5.94 |
| 22 | 5.06 | 5.32 | 6.15 | 6.02 | 8.93 | 6.33 | 6.08 | 5.70 | 5.57 | 6.06 | 6.27 | 5.81 |
| 23 | 5.07 | 5.30 | 6.22 | 5.77 | 7.74 | 6.19 | 5.99 | 5.77 | 5.83 | 6.92 | 5.95 | 5.72 |
| 24 | 5.08 | 5.29 | 5.73 | 5.67 | 7.27 | 6.11 | 5.99 | 5.62 | 5.68 | 6.06 | 5.80 | 5.67 |
| 25 | 5.10 | 5.28 | 5.57 | 5.80 | 6.92 | 6.10 | 5.96 | 5.56 | 5.64 | 5.72 | 5.88 | 5.62 |
| 26 | 5.13 | 5.29 | 5.50 | 5.98 | 6.63 | 7.38 | 5.89 | 5.52 | 5.66 | 5.57 | 5.85 | 5.59 |
| 27 | 5.18 | 5.46 | 5.49 | 5.74 | 6.46 | 12.58 | 5.84 | 5.49 | 5.57 | 5.50 | 5.67 | 5.55 |
| 28 | 5.21 | 5.57 | 5.55 | 5.61 | 6.36 | 9.63 | 5.78 | 5.47 | 5.47 | 5.46 | 5.58 | 5.53 |
| 29 | 5.16 | 5.56 | 5.46 | 5.54 | 6.27 | 7.20 | 5.73 | 5.46 | 5.40 | 5.42 | 5.52 | 5.57 |
| 30 | 5.13 | 5.40 | 5.40 | 5.51 | --- | 7.93 | 5.73 | 5.44 | 5.36 | 5.38 | 6.13 | 6.12 |
| 31 | 5.13 | --- | 5.38 | 5.50 | --- | 11.66 | --- | 5.43 | --- | 5.36 | 7.50 | --- |
| MAX | 5.29 | 6.34 | 6.22 | 6.96 | 18.79 | 14.41 | 17.98 | 5.77 | 5.83 | 7.70 | 12.30 | 13.89 |
| MIN | 5.06 | 5.10 | 5.28 | 5.40 | 6.27 | 6.10 | 5.73 | 5.43 | 5.32 | 5.30 | 5.31 | 5.53 |

## 07375050 TCHEFUNCTA RIVER NEAR COVINGTON, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°29'40", long 90°10'10", in SW 1/4 sec.26, T.6 S., R.10 E., St. Helena Meridian, St. Tammany Parish, Hydrologic Unit 08090201, at bridge on U.S. Highway 190, and 4.0 mi west of Covington.

DRAINAGE AREA.--145 mi².

PERIOD OF RECORD.--Water years 1959, 1966-68, 1974, 1978 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: April 1978 to September 1982.
WATER TEMPERATURES: April 1978 to September 1982.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 66 micromhos Feb. 24, 1979; minimum daily, 20 micromhos, Apr. 14, May 17, 18, 22, 1980.
WATER TEMPERATURES: Maximum daily, 34.0°C July 25, 1980; minimum daily, 4.0°C Jan. 11, 12, 1982.

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | DIS-CHARGE, IN CUBIC FEET PER SECOND | SPE-CIFIC CON-DUCT-ANCE (US/CM) | PH (STAND-ARD UNITS) | TEMPER-ATURE WATER (DEG C) | COLOR (PLAT-INUM-COBALT UNITS) | TUR-BID-ITY (NTU) | OXYGEN, DIS-SOLVED (MG/L) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) | STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 08... | 0940 | 40 | 32 | 6.50 | 16.0 | 10 | 4.2 | 9.6 | 0.2 | 540 | 220 |
| JAN 1988 | | | | | | | | | | | |
| 14... | 0930 | 67 | 57 | 7.10 | 6.0 | 40 | 7.1 | 12.4 | 1.7 | 420 | 1000 |
| APR | | | | | | | | | | | |
| 20... | 1130 | 170 | 33 | 6.55 | 19.0 | 20 | 4.2 | 8.4 | 0.8 | 210 | 340 |
| JUL | | | | | | | | | | | |
| 13... | 1015 | 62 | 41 | 6.92 | 26.5 | 20 | 9.2 | 7.4 | 1.2 | 210 | 200 |

| DATE | HARD-NESS TOTAL (MG/L AS CACO3) | CALCIUM DIS-SOLVED (MG/L AS CA) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) | SODIUM, DIS-SOLVED (MG/L AS NA) | POTAS-SIUM, DIS-SOLVED (MG/L AS K) | ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DIS-SOLVED (MG/L AS SO4) | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) | FLUO-RIDE, DIS-SOLVED (MG/L AS F) | SILICA, DIS-SOLVED (MG/L AS SIO2) | SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 08... | 7 | 1.5 | 0.73 | 4.0 | 0.90 | 11 | 2.1 | 4.2 | 0.2 | 13 | 32 |
| JAN 1988 | | | | | | | | | | | |
| 14... | 9 | 1.8 | 1.0 | 5.8 | 2.7 | 12 | 6.7 | 6.4 | 0.1 | 12 | 45 |
| APR | | | | | | | | | | | |
| 20... | 8 | 1.6 | 0.87 | 3.1 | 1.1 | 11 | 4.2 | 4.4 | 0.1 | 12 | 31 |
| JUL | | | | | | | | | | | |
| 13... | 8 | 1.8 | 0.85 | 3.9 | 1.5 | 11 | 4.8 | 4.3 | 0.2 | 11 | 38 |

| DATE | SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) | NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) | NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) | NITRO-GEN, AMMONIA TOTAL (MG/L AS N) | NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) | NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) | PHOS-PHOROUS TOTAL (MG/L AS P) | PHOS-PHOROUS DIS-SOLVED (MG/L AS P) | PHOS-PHOROUS ORTHO, DIS-SOLVED (MG/L AS P) | ALUM-INUM, DIS-SOLVED (UG/L AS AL) | ARSENIC DIS-SOLVED (UG/L AS AS) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 08... | 33 | <0.01 | 0.12 | 0.01 | 0.02 | 0.2 | 0.04 | 0.03 | 0.02 | 20 | <1 |
| JAN 1988 | | | | | | | | | | | |
| 14... | 46 | <0.01 | 0.30 | 0.42 | 0.38 | 1.0 | 0.18 | 0.06 | 0.04 | 70 | <1 |
| APR | | | | | | | | | | | |
| 20... | 34 | <0.01 | 0.30 | 0.03 | 0.04 | <0.2 | 0.08 | 0.04 | 0.03 | 70 | <1 |
| JUL | | | | | | | | | | | |
| 13... | 34 | <0.01 | 0.25 | 0.06 | 0.01 | 0.2 | 0.06 | 0.09 | 0.02 | 50 | 3 |

< Actual value is known to be less than the value shown.

## 07375050 TCHEFUNCTA RIVER NEAR COVINGTON, LA--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | BARIUM, DIS- SOLVED (UG/L AS BA) | BERYL- LIUM, DIS- SOLVED (UG/L AS BE) | CADMIUM DIS- SOLVED (UG/L AS CD) | CHRO- MIUM, DIS- SOLVED (UG/L AS CR) | COBALT, DIS- SOLVED (UG/L AS CO) | COPPER, DIS- SOLVED (UG/L AS CU) | IRON, DIS- SOLVED (UG/L AS FE) | LEAD, DIS- SOLVED (UG/L AS PB) | LITHIUM DIS- SOLVED (UG/L AS LI) | MANGA- NESE, DIS- SOLVED (UG/L AS MN) | MERCURY DIS- SOLVED (UG/L AS HG) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 08... | 20 | <0.5 | <1 | <1 | <3 | 1 | 110 | 5 | 10 | 30 | <0.1 |
| JAN 1988 | | | | | | | | | | | |
| 14... | 26 | <0.5 | <1 | 2 | <3 | 1 | 250 | <5 | <4 | 25 | 0.1 |
| APR | | | | | | | | | | | |
| 20... | 23 | <0.5 | <1 | <1 | <3 | 1 | 280 | <5 | <4 | 25 | <0.1 |
| JUL | | | | | | | | | | | |
| 13... | 26 | <0.5 | <1 | <1 | <3 | 1 | 260 | <5 | <4 | 38 | <0.1 |

| DATE | MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) | NICKEL, DIS- SOLVED (UG/L AS NI) | SELE- NIUM, DIS- SOLVED (UG/L AS SE) | SILVER, DIS- SOLVED (UG/L AS AG) | STRON- TIUM, DIS- SOLVED (UG/L AS SR) | VANA- DIUM, DIS- SOLVED (UG/L AS V) | ZINC, DIS- SOLVED (UG/L AS ZN) | SEDI- MENT, SUS- PENDED (MG/L) | SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 08... | <10 | <1 | <1 | <1 | 17 | <6 | 7 | 3 | 0.32 | 93 |
| JAN 1988 | | | | | | | | | | |
| 14... | <10 | 3 | <1 | <1 | 17 | <6 | 5 | -- | -- | -- |
| APR | | | | | | | | | | |
| 20... | <10 | 2 | <1 | <1 | 16 | <6 | <3 | 7 | 3.2 | 98 |
| JUL | | | | | | | | | | |
| 13... | <10 | <1 | <1 | <1 | 18 | <6 | 11 | 8 | 1.3 | 95 |

< Actual value is known to be less than the value shown.

## 07375500 TANGIPAHOA RIVER AT ROBERT, LA
## (National stream-quality accounting network station)

LOCATION.--Lat 30°30'23", long 90°21'42", on line between lots 39 and 40, T.6 S., R.8 E., St. Helena meridian, Tangipahoa Parish, Hydrologic Unit 08070205, near left bank on downstream side of bridge on U.S. Highway 190, 1.2 mi west of Robert, 2.8 mi downstream from Chappepeela Creek, and 6.0 mi east of Hammond.

### WATER-DISCHARGE RECORDS

DRAINAGE AREA.--646 mi².

PERIOD OF RECORD.--October 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 6.87 ft above National Geodetic Vertical Datum of 1929. Prior to Nov. 25, 1939, nonrecording gage at same site and datum.

REMARKS --Estimated daily discharge Aug. 13. Records good. Several measurements of water temperature were made during the year

AVERAGE DISCHARGE.--50 years, 1,151 ft³/s, 24.20 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 85,000 ft³/s Apr. 7, 1983, gage height, 25.87 ft, from floodmark, from rating curve extended above 62,700 ft³/s; minimum discharge, 245 ft³/s Oct. 30 to Nov. 3, 1968; minimum gage height, 2.95 ft Oct. 25, 1939.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1921 reached a stage of 27.1 ft, from floodmark.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 8,000 ft³/s and maximum(*):

| Date | Time | Discharge (ft³/s) | Gage height (ft) | Date | Time | Discharge (ft³/s) | Gage height (ft) |
|---|---|---|---|---|---|---|---|
| Feb. 2 | 2100 | *21,400 | *19.19 | Mar. 28 | 0800 | 9,300 | 16.22 |
| Feb. 19 | 2300 | 15,100 | 17.88 | Apr. 3 | 0930 | 18,500 | 18.63 |

Minimum discharge, 362 ft³/s June 3, 4; minimum gage height, 5.65 ft Nov. 7.

DISCHARGE, IN CUBIC FEET PER SECOND WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 483 | 415 | 483 | 500 | 1190 | 719 | 7180 | 482 | 368 | 404 | 420 | 641 |
| 2 | 486 | 414 | 469 | 539 | 14200 | 682 | 10300 | 473 | 366 | 400 | 415 | 588 |
| 3 | 472 | 412 | 463 | 553 | 16000 | 2330 | 17500 | 465 | 364 | 389 | 410 | 665 |
| 4 | 460 | 413 | 458 | 539 | 10000 | 6740 | 13000 | 458 | 369 | 390 | 407 | 1430 |
| 5 | 458 | 416 | 455 | 510 | 6640 | 4690 | 7820 | 448 | 678 | 402 | 413 | 5140 |
| 6 | 452 | 408 | 452 | 496 | 5310 | 2250 | 3520 | 440 | 966 | 586 | 459 | 5490 |
| 7 | 447 | 405 | 453 | 508 | 4420 | 1490 | 1990 | 433 | 713 | 767 | 462 | 2330 |
| 8 | 444 | 410 | 454 | 698 | 2380 | 1140 | 1550 | 430 | 681 | 615 | 434 | 1230 |
| 9 | 440 | 422 | 451 | 708 | 1560 | 1580 | 1250 | 427 | 519 | 504 | 460 | 921 |
| 10 | 438 | 428 | 449 | 616 | 1220 | 3990 | 1060 | 424 | 528 | 498 | 554 | 1030 |
| 11 | 437 | 424 | 445 | 568 | 1030 | 4430 | 937 | 423 | 505 | 521 | 809 | 1390 |
| 12 | 434 | 423 | 443 | 539 | 1190 | 2280 | 842 | 421 | 446 | 538 | 646 | 1190 |
| 13 | 432 | 422 | 441 | 529 | 1290 | 1400 | 776 | 417 | 420 | 485 | 552 | 926 |
| 14 | 437 | 419 | 442 | 551 | 1010 | 1080 | 730 | 417 | 403 | 457 | 509 | 793 |
| 15 | 429 | 420 | 448 | 562 | 3070 | 881 | 692 | 411 | 394 | 503 | 468 | 716 |
| 16 | 424 | 465 | 441 | 527 | 5720 | 764 | 662 | 405 | 384 | 485 | 444 | 852 |
| 17 | 422 | 721 | 445 | 518 | 5240 | 698 | 637 | 410 | 379 | 503 | 600 | 1280 |
| 18 | 421 | 1060 | 446 | 521 | 3990 | 819 | 640 | 408 | 380 | 686 | 869 | 893 |
| 19 | 421 | 727 | 441 | 585 | 12100 | 1230 | 688 | 400 | 386 | 631 | 746 | 737 |
| 20 | 416 | 590 | 445 | 1190 | 13400 | 1070 | 756 | 393 | 559 | 704 | 738 | 666 |
| 21 | 411 | 530 | 523 | 1720 | 9220 | 839 | 707 | 406 | 615 | 613 | 623 | 623 |
| 22 | 407 | 498 | 732 | 1030 | 4370 | 720 | 630 | 455 | 534 | 709 | 607 | 596 |
| 23 | 412 | 480 | 843 | 789 | 2000 | 655 | 596 | 540 | 769 | 731 | 485 | 574 |
| 24 | 409 | 469 | 669 | 695 | 1460 | 612 | 576 | 481 | 561 | 662 | 459 | 554 |
| 25 | 408 | 462 | 587 | 679 | 1200 | 586 | 559 | 452 | 486 | 545 | 446 | 539 |
| 26 | 421 | 472 | 547 | 715 | 1020 | 1590 | 541 | 432 | 479 | 540 | 439 | 526 |
| 27 | 448 | 476 | 529 | 663 | 899 | 5350 | 521 | 413 | 562 | 526 | 430 | 513 |
| 28 | 450 | 504 | 547 | 619 | 817 | 8520 | 504 | 403 | 468 | 498 | 420 | 504 |
| 29 | 439 | 507 | 533 | 587 | 758 | 4140 | 493 | 390 | 435 | 457 | 409 | 505 |
| 30 | 425 | 508 | 516 | 564 | --- | 1970 | 497 | 377 | 416 | 437 | 420 | 536 |
| 31 | 417 | --- | 498 | 553 | --- | 4320 | --- | 371 | --- | 427 | 562 | --- |
| TOTAL | 13500 | 14720 | 15548 | 20371 | 132704 | 69565 | 78154 | 13305 | 15133 | 16613 | 16115 | 34378 |
| MEAN | 435 | 491 | 502 | 657 | 4576 | 2244 | 2605 | 429 | 504 | 536 | 520 | 1146 |
| MAX | 486 | 1060 | 843 | 1720 | 16000 | 8520 | 17500 | 540 | 966 | 767 | 869 | 5490 |
| MIN | 407 | 405 | 441 | 496 | 758 | 586 | 493 | 371 | 364 | 389 | 407 | 504 |
| CFSM | .67 | .76 | .78 | 1.02 | 7.08 | 3.47 | 4.03 | .66 | .78 | .83 | .80 | 1.77 |
| IN. | .78 | .85 | .90 | 1.17 | 7.64 | 4.01 | 4.50 | .77 | .87 | .96 | .93 | 1.98 |

| | | | | | | |
|---|---|---|---|---|---|---|
| CAL YR 1987 | TOTAL 504829 | MEAN 1383 | MAX 19600 | MIN 405 | CFSM 2.14 | IN. 29.07 |
| WTR YR 1988 | TOTAL 440106 | MEAN 1202 | MAX 17500 | MIN 364 | CFSM 1.86 | IN. 25.34 |

## 07375500 TANGIPAHOA RIVER AT ROBERT, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.97 | 5.71 | 5.97 | 6.03 | 7.84 | 7.78 | 15.30 | 6.78 | 6.19 | 6.09 | 5.96 | 6.72 |
| 2 | 5.98 | 5.70 | 5.91 | 6.18 | 17.31 | 7.65 | 16.46 | 6.74 | 6.16 | 6.07 | 5.93 | 6.53 |
| 3 | 5.93 | 5.70 | 5.89 | 6.23 | 18.04 | 10.91 | 18.40 | 6.70 | 6.15 | 6.03 | 5.91 | 6.80 |
| 4 | 5.88 | 5.70 | 5.87 | 6.18 | 16.43 | 15.07 | 17.32 | 6.67 | 6.16 | 6.03 | 5.89 | 8.89 |
| 5 | 5.87 | 5.71 | 5.86 | 6.07 | 15.02 | 13.79 | 15.56 | 6.63 | 7.16 | 6.06 | 5.91 | 13.83 |
| 6 | 5.85 | 5.68 | 5.85 | 6.01 | 14.30 | 11.18 | 12.74 | 6.59 | 8.15 | 6.74 | 6.08 | 14.36 |
| 7 | 5.83 | 5.67 | 5.85 | 6.06 | 13.63 | 9.72 | 10.76 | 6.55 | 7.37 | 7.36 | 6.08 | 11.04 |
| 8 | 5.82 | 5.69 | 5.86 | 6.73 | 11.37 | 8.92 | 9.86 | 6.54 | 7.25 | 6.83 | 5.97 | 8.47 |
| 9 | 5.81 | 5.74 | 5.85 | 6.77 | 9.88 | 9.82 | 9.17 | 6.52 | 6.67 | 6.42 | 6.06 | 7.53 |
| 10 | 5.80 | 5.76 | 5.84 | 6.45 | 9.12 | 13.28 | 8.73 | 6.50 | 6.69 | 6.39 | 6.41 | 7.87 |
| 11 | 5.79 | 5.75 | 5.83 | 6.28 | 8.65 | 13.65 | 8.41 | 6.49 | 6.60 | 6.47 | 7.29 | 8.94 |
| 12 | 5.78 | 5.74 | 5.82 | 6.18 | 9.04 | 11.20 | 8.16 | 6.47 | 6.38 | 6.53 | 6.73 | 8.35 |
| 13 | 5.78 | 5.74 | 5.81 | 6.14 | 9.27 | 9.53 | 7.96 | 6.45 | 6.27 | 6.32 | 6.40 | 7.55 |
| 14 | 5.80 | 5.72 | 5.81 | 6.22 | 8.61 | 8.76 | 7.80 | 6.45 | 6.20 | 6.22 | 6.24 | 7.11 |
| 15 | 5.76 | 5.73 | 5.84 | 6.26 | 12.11 | 8.26 | 7.66 | 6.42 | 6.16 | 6.38 | 6.09 | 6.85 |
| 16 | 5.74 | 5.89 | 5.81 | 6.13 | 14.53 | 7.93 | 7.55 | 6.39 | 6.13 | 6.31 | 6.00 | 7.28 |
| 17 | 5.74 | 6.82 | 5.83 | 6.10 | 14.18 | 7.71 | 7.45 | 6.40 | 6.11 | 6.36 | 6.55 | 8.61 |
| 18 | 5.73 | 7.91 | 5.83 | 6.11 | 13.08 | 8.08 | 7.45 | 6.38 | 6.11 | 7.01 | 7.48 | 7.44 |
| 19 | 5.73 | 6.83 | 5.81 | 6.34 | 17.03 | 9.14 | 7.62 | 6.35 | 6.11 | 6.82 | 7.08 | 6.92 |
| 20 | 5.71 | 6.36 | 5.83 | 8.27 | 17.43 | 8.74 | 7.84 | 6.31 | 6.74 | 7.07 | 7.05 | 6.67 |
| 21 | 5.69 | 6.14 | 6.11 | 9.80 | 16.14 | 8.15 | 7.67 | 6.37 | 6.93 | 6.74 | 6.65 | 6.52 |
| 22 | 5.67 | 6.02 | 6.85 | 7.83 | 13.46 | 7.78 | 7.39 | 6.54 | 6.63 | 7.07 | 6.60 | 6.43 |
| 23 | 5.69 | 5.96 | 7.23 | 7.05 | 10.77 | 7.56 | 7.26 | 6.85 | 7.46 | 7.14 | 6.16 | 6.35 |
| 24 | 5.68 | 5.91 | 6.63 | 6.73 | 9.66 | 7.40 | 7.18 | 6.63 | 6.73 | 6.89 | 6.06 | 6.28 |
| 25 | 5.68 | 5.89 | 6.35 | 6.67 | 9.07 | 7.31 | 7.11 | 6.51 | 6.44 | 6.47 | 6.01 | 6.23 |
| 26 | 5.73 | 5.93 | 6.21 | 6.80 | 8.63 | 9.68 | 7.04 | 6.43 | 6.41 | 6.45 | 5.98 | 6.18 |
| 27 | 5.84 | 5.94 | 6.14 | 6.62 | 8.31 | 14.17 | 6.96 | 6.35 | 6.71 | 6.39 | 5.95 | 6.13 |
| 28 | 5.84 | 6.05 | 6.20 | 6.46 | 8.09 | 15.91 | 6.88 | 6.30 | 6.36 | 6.28 | 5.91 | 6.09 |
| 29 | 5.80 | 6.06 | 6.16 | 6.34 | 7.91 | 13.17 | 6.84 | 6.25 | 6.23 | 6.12 | 5.86 | 6.10 |
| 30 | 5.75 | 6.06 | 6.09 | 6.27 | --- | 10.74 | 6.84 | 6.22 | 6.15 | 6.04 | 5.91 | 6.21 |
| 31 | 5.72 | --- | 6.02 | 6.23 | --- | 13.38 | --- | 6.21 | --- | 6.00 | 6.43 | --- |
| MAX | 5.98 | 7.91 | 7.23 | 9.80 | 18.04 | 15.91 | 18.40 | 6.85 | 8.15 | 7.36 | 7.48 | 14.36 |
| MIN | 5.67 | 5.67 | 5.81 | 6.01 | 7.84 | 7.31 | 6.84 | 6.21 | 6.11 | 6.00 | 5.86 | 6.09 |

## 07375500 TANGIPAHOA RIVER AT ROBERT, LA--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944, 1954-56, 1966-76, 1979 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: November 1979 to September 1982.
WATER TEMPERATURES: November 1979 to September 1982.

INSTRUMENTATION.--Water-quality monitor November 1979 to September 1982.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 87 micromhos Dec. 6, 1981; minimum, 27 micromhos Apr. 2, 3, 1982.
WATER TEMPERATURES: Maximum 33.0°C July 22, 24, 1981; minimum, 4.0°C Jan. 15, 1982.

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | DIS-CHARGE, IN CUBIC FEET PER SECOND | SPE-CIFIC CON-DUCT-ANCE (US/CM) | PH (STAND-ARD UNITS) | TEMPER-ATURE WATER (DEG C) | COLOR (PLAT-INUM-COBALT UNITS) | TUR-BID-ITY (NTU) | OXYGEN, DIS-SOLVED (MG/L) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) | STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 08... | 1315 | 444 | 47 | 6.50 | 19.0 | 5 | 2.2 | 9.7 | 0.2 | K1500 | K20 |
| JAN 1988 | | | | | | | | | | | |
| 14... | 1100 | 551 | 53 | 7.00 | 7.0 | 15 | 5.3 | 12.4 | 1.4 | 140 | 140 |
| APR | | | | | | | | | | | |
| 20... | 1345 | 756 | 44 | 5.92 | 21.5 | 20 | 3.3 | 8.8 | 1.2 | K5500 | 280 |
| JUL | | | | | | | | | | | |
| 13... | 1050 | 485 | 56 | 6.93 | 27.0 | 10 | 6.0 | 7.4 | 1.0 | 150 | 64 |

| DATE | HARD-NESS TOTAL (MG/L AS CACO3) | CALCIUM DIS-SOLVED (MG/L AS CA) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) | SODIUM, DIS-SOLVED (MG/L AS NA) | POTAS-SIUM, DIS-SOLVED (MG/L AS K) | ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DIS-SOLVED (MG/L AS SO4) | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) | FLUO-RIDE, DIS-SOLVED (MG/L AS F) | SILICA, DIS-SOLVED (MG/L AS SIO2) | SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 08... | 9 | 2.2 | 0.95 | 5.1 | 1.5 | 12 | 2.2 | 6.4 | 0.2 | 12 | 34 |
| JAN 1988 | | | | | | | | | | | |
| 14... | 11 | 2.5 | 1.1 | 5.9 | 1.5 | 6 | 3.9 | 7.9 | 0.1 | 13 | 47 |
| APR | | | | | | | | | | | |
| 20... | 10 | 2.3 | 1.0 | 3.9 | 1.6 | 17 | 4.5 | 4.8 | 0.1 | 10 | 38 |
| JUL | | | | | | | | | | | |
| 13... | 11 | 2.6 | 1.1 | 5.6 | 1.8 | 13 | 3.3 | 6.6 | 0.2 | 12 | 55 |

| DATE | SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) | NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) | NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) | NITRO-GEN, AMMONIA TOTAL (MG/L AS N) | NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) | NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) | PHOS-PHOROUS TOTAL (MG/L AS P) | PHOS-PHOROUS DIS-SOLVED (MG/L AS P) | PHOS-PHOROUS ORTHO, DIS-SOLVED (MG/L AS P) | ALUM-INUM, DIS-SOLVED (UG/L AS AL) | ARSENIC DIS-SOLVED (UG/L AS AS) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 08... | 38 | <0.01 | <0.10 | 0.02 | 0.02 | 0.4 | 0.04 | 0.03 | 0.02 | <10 | <1 |
| JAN 1988 | | | | | | | | | | | |
| 14... | 43 | <0.01 | 0.27 | 0.04 | 0.06 | 0.2 | 0.08 | <0.01 | 0.01 | 20 | <1 |
| APR | | | | | | | | | | | |
| 20... | 37 | 0.01 | 0.29 | 0.04 | 0.06 | 0.3 | 0.10 | 0.07 | 0.04 | 80 | <1 |
| JUL | | | | | | | | | | | |
| 13... | 41 | 0.01 | 0.25 | 0.05 | <0.01 | 0.4 | 0.09 | 0.09 | 0.01 | 20 | 1 |

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal colony count).

## 07375500 TANGIPAHOA RIVER AT ROBERT, LA--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | BARIUM, DIS-SOLVED (UG/L AS BA) | BERYL-LIUM, DIS-SOLVED (UG/L AS BE) | CADMIUM DIS-SOLVED (UG/L AS CD) | CHRO-MIUM, DIS-SOLVED (UG/L AS CR) | COBALT, DIS-SOLVED (UG/L AS CO) | COPPER, DIS-SOLVED (UG/L AS CU) | IRON, DIS-SOLVED (UG/L AS FE) | LEAD, DIS-SOLVED (UG/L AS PB) | LITHIUM DIS-SOLVED (UG/L AS LI) | MANGA-NESE, DIS-SOLVED (UG/L AS MN) | MERCURY DIS-SOLVED (UG/L AS HG) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 08... | 23 | <0.5 | <1 | <1 | <3 | 2 | 43 | <5 | 9 | 42 | <0.1 |
| JAN 1988 | | | | | | | | | | | |
| 14... | 27 | <0.5 | <1 | <1 | <3 | 2 | 160 | <5 | <4 | 29 | 0.1 |
| APR | | | | | | | | | | | |
| 20... | 31 | <0.5 | 1 | <1 | <3 | 1 | 250 | <5 | <4 | 57 | <0.1 |
| JUL | | | | | | | | | | | |
| 13... | 28 | <0.5 | <1 | <1 | <3 | 3 | 140 | <5 | <4 | 65 | <0.1 |

| DATE | MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) | NICKEL, DIS-SOLVED (UG/L AS NI) | SELE-NIUM, DIS-SOLVED (UG/L AS SE) | SILVER, DIS-SOLVED (UG/L AS AG) | STRON-TIUM, DIS-SOLVED (UG/L AS SR) | VANA-DIUM, DIS-SOLVED (UG/L AS V) | ZINC, DIS-SOLVED (UG/L AS ZN) | SEDI-MENT, SUS-PENDED (MG/L) | SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 08... | <10 | 1 | <1 | <1 | 24 | <6 | <3 | 11 | 13 | 79 |
| JAN 1988 | | | | | | | | | | |
| 14... | <10 | 4 | <1 | <1 | 24 | <6 | 3 | 12 | 18 | 88 |
| APR | | | | | | | | | | |
| 20... | <10 | <1 | <1 | 1 | 22 | <6 | <3 | 22 | 45 | 88 |
| JUL | | | | | | | | | | |
| 13... | <10 | <1 | <1 | <1 | 26 | <6 | 13 | 17 | 22 | 100 |

< Actual value is known to be less than the value shown

## 07375800 TICKFAW RIVER AT LIVERPOOL, LA

LOCATION.--Lat 30°55'50", long 90°40'24", on line between lots 46 and 47, T.1 S., R.5 E., St. Helena meridian, St. Helena Parish, Hydrologic Unit 08070203, near left bank on downstream side of bridge on State Highway 38, 0.2 mi east of intersection of State Highways 38 and 441, 0.5 mi upstream from Cotton Patch Branch, and 1.0 mi north of Liverpool.

DRAINAGE AREA.--89.7 $mi^2$.

PERIOD OF RECORD.--March 1956 to September 1968, October 1979 to September 1981 (published as "near Liverpool"). October 1968 to September 1979 (annual maximums only), October 1981 to current year (gage heights only).

GAGE.--Water-stage recorder with a data-collection platform and rain gage. Datum of gage is 204.44 ft above National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development). Prior to Oct. 1, 1982 altitude of gage, 206 ft, from topographic map. Mar. 9, 1956, to Sept. 30, 1968, at site 0.2 mi west at same datum. Oct. 1, 1963, to Aug. 9, 1979, nonrecording gage and crest-stage indicator at same site 0.2 mi west at same datum.

AVERAGE DISCHARGE.--14 years (1957-68, 1980-81), 116 $ft^3/s$, 17.56 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,000 $ft^3/s$ Apr. 6, 1983, maximum gage height, 13.30 ft; minimum discharge, 29 $ft^3/s$ Sept. 26-30, 1968; minimum gage height, 1.76 ft Oct. 9, 11, 12, 13, 14, 15, 16, 1968.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,330 $ft^3/s$ Mar. 26, gage height, 9.54 ft; minimum, 58 $ft^3/s$, July 26, 27, 28, 29, 30, 31, Sept. 28, 29, 30, gage height, 2.36 ft.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.73 | 2.70 | 2.70 | 2.75 | 4.40 | 2.95 | 7.65 | 2.63 | 2.53 | 2.44 | 2.38 | 2.52 |
| 2 | 2.72 | 2.70 | 2.69 | 2.79 | 8.58 | 2.94 | 8.71 | 2.62 | 2.53 | 2.43 | 2.40 | 2.55 |
| 3 | 2.72 | 2.71 | 2.68 | 2.79 | 7.87 | 4.26 | 8.86 | 2.61 | 2.53 | 2.43 | 2.43 | 2.60 |
| 4 | 2.72 | 2.71 | 2.68 | 2.76 | 6.08 | 5.59 | 6.38 | 2.61 | 2.58 | 2.48 | 2.54 | 3.86 |
| 5 | 2.72 | 2.70 | 2.68 | 2.73 | 5.91 | 4.50 | 3.80 | 2.60 | 2.65 | 2.62 | 2.54 | 4.92 |
| 6 | 2.73 | 2.68 | 2.68 | 2.71 | 5.62 | 3.56 | 3.39 | 2.59 | 2.58 | 3.79 | 2.56 | 3.29 |
| 7 | 2.71 | 2.68 | 2.69 | 2.87 | 4.36 | 3.29 | 3.20 | 2.59 | 2.52 | 2.80 | 2.59 | 2.66 |
| 8 | 2.71 | 2.70 | 2.70 | 3.06 | 3.62 | 3.17 | 3.07 | 2.59 | 2.49 | 2.54 | 2.60 | 2.56 |
| 9 | 2.71 | 2.74 | 2.70 | 2.93 | 3.39 | 4.00 | 2.97 | 2.58 | 2.47 | 2.48 | 2.66 | 2.49 |
| 10 | 2.71 | 2.74 | 2.69 | 2.83 | 3.23 | 6.03 | 2.89 | 2.59 | 2.46 | 2.47 | 2.90 | 2.61 |
| 11 | 2.70 | 2.72 | 2.68 | 2.78 | 3.29 | 4.98 | 2.84 | 2.58 | 2.45 | 2.45 | 2.86 | 2.69 |
| 12 | 2.69 | 2.71 | 2.69 | 2.76 | 3.67 | 3.57 | 2.79 | 2.57 | 2.45 | 2.43 | 2.70 | 2.55 |
| 13 | 2.69 | 2.72 | 2.69 | 2.84 | 3.44 | 3.28 | 2.77 | 2.57 | 2.44 | 2.46 | 2.65 | 2.48 |
| 14 | 2.69 | 2.73 | 2.69 | 2.84 | 3.25 | 3.10 | 2.74 | 2.57 | 2.44 | 2.44 | 2.63 | 2.45 |
| 15 | 2.69 | 2.73 | 2.70 | 2.79 | 5.77 | 2.98 | 2.72 | 2.56 | 2.44 | 2.42 | 2.59 | 2.43 |
| 16 | 2.69 | 2.87 | 2.70 | 2.77 | 7.09 | 2.91 | 2.71 | 2.56 | 2.43 | 2.41 | 2.59 | 2.52 |
| 17 | 2.69 | 3.53 | 2.69 | 2.77 | 4.52 | 2.86 | 2.69 | 2.56 | 2.43 | 2.40 | 2.60 | 2.63 |
| 18 | 2.68 | 3.18 | 2.70 | 2.75 | 5.29 | 3.29 | 2.71 | 2.55 | 2.49 | 2.40 | 2.64 | 2.55 |
| 19 | 2.69 | 2.82 | 2.71 | 3.04 | 8.63 | 3.56 | 2.73 | 2.55 | 2.74 | 2.41 | 2.64 | 2.48 |
| 20 | 2.70 | 2.72 | 2.86 | 4.01 | 7.94 | 3.17 | 2.78 | 2.54 | 2.55 | 2.52 | 2.60 | 2.44 |
| 21 | 2.67 | 2.68 | 3.21 | 3.40 | 4.63 | 2.98 | 2.74 | 2.56 | 2.58 | 2.42 | 2.59 | 2.42 |
| 22 | 2.68 | 2.67 | 3.50 | 3.04 | 3.65 | 2.89 | 2.70 | 2.62 | 2.87 | 2.40 | 2.58 | 2.41 |
| 23 | 2.69 | 2.68 | 3.08 | 2.89 | 3.41 | 2.83 | 2.69 | 2.59 | 2.52 | 2.43 | 2.57 | 2.40 |
| 24 | 2.67 | 2.69 | 2.91 | 2.88 | 3.28 | 2.79 | 2.68 | 2.58 | 2.49 | 2.40 | 2.57 | 2.39 |
| 25 | 2.67 | 2.69 | 2.83 | 2.97 | 3.18 | 3.45 | 2.66 | 2.58 | 2.51 | 2.38 | 2.56 | 2.39 |
| 26 | 2.72 | 2.69 | 2.79 | 2.89 | 3.10 | 8.18 | 2.65 | 2.56 | 2.76 | 2.37 | 2.55 | 2.37 |
| 27 | 2.75 | 2.69 | 2.77 | 2.81 | 3.04 | 7.80 | 2.64 | 2.55 | 2.65 | 2.37 | 2.54 | 2.37 |
| 28 | 2.71 | 2.75 | 2.75 | 2.76 | 3.01 | 4.18 | 2.64 | 2.54 | 2.51 | 2.37 | 2.53 | 2.37 |
| 29 | 2.68 | 2.75 | 2.72 | 2.73 | 2.98 | 3.40 | 2.62 | 2.54 | 2.47 | 2.37 | 2.51 | 2.36 |
| 30 | 2.69 | 2.72 | 2.70 | 2.72 | --- | 3.93 | 2.63 | 2.53 | 2.45 | 2.36 | 2.52 | 2.36 |
| 31 | 2.70 | --- | 2.72 | 2.72 | --- | 6.81 | --- | 2.53 | --- | 2.37 | 2.52 | --- |
| MAX | 2.75 | 3.53 | 3.50 | 4.01 | 8.63 | 8.18 | 8.86 | 2.63 | 2.87 | 3.79 | 2.90 | 4.92 |
| MIN | 2.67 | 2.67 | 2.68 | 2.71 | 2.98 | 2.79 | 2.62 | 2.53 | 2.43 | 2.36 | 2.38 | 2.36 |

## 07376000 TICKFAW RIVER AT HOLDEN, LA

LOCATION.--Lat 30°30'13", long 90°40'38", in SE 1/4 NE 1/4 sec.26, T.6 S., R.5 E., St. Helena meridian, Livingston Parish, Hydrologic Unit 08070203, near left bank on downstream side of bridge on U.S. Highway 190, 0.5 mi west of Holden, and 5.1 mi upstream from Big Branch.

DRAINAGE AREA.--247 $mi^2$.

PERIOD OF RECORD.--October 1940 to current year.

REVISED RECORDS.--WSP 1711: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 19.15 ft above National Geodetic Vertical Datum of 1929. Prior to Sept. 13, 1944, nonrecording gage, Sept. 14, 1944, to June 14, 1948, water-stage recorder, June 15, 1949, to Dec. 9, 1949, nonrecording gage at same site and datum.

REMARKS.--Records good. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--48 years, 372 $ft^3/s$, 20.45 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,470 $ft^3/s$ Apr. 7, 1983, gage height, 21.04 ft; from floodmark, from rating curve extended above 18,700 $ft^3/s$; minimum discharge, 65 $ft^3/s$ Oct. 1, 2, 3, 4, 1969; minimum gage height, 0.93 ft Sept. 26, 27, Oct. 21, 22, 23, 24, 28, 29, 1976.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 2,000 $ft^3/s$ and maximum (*):

| Date | Time | Discharge ($ft^3/s$) | Gage height (ft) | Date | Time | Discharge ($ft^3/s$) | Gage height (ft) |
|---|---|---|---|---|---|---|---|
| Feb. 5 | 2130 | 3,280 | 12.45 | Apr. 4 | 0330 | *6,030 | *16.19 |
| Feb. 21 | 2000 | 4,820 | 14.74 | Sept. 6 | 1000 | 2,550 | 10.77 |

Minimum discharge, 91 $ft^3/s$ Nov. 8; minimum gage height, 1.07 ft Aug. 4, 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 109 | 99 | 110 | 119 | 247 | 267 | 2020 | 165 | 118 | 107 | 111 | 106 |
| 2 | 109 | 99 | 109 | 133 | 1080 | 252 | 2990 | 161 | 117 | 105 | 119 | 145 |
| 3 | 107 | 99 | 108 | 136 | 1820 | 674 | 4440 | 158 | 114 | 104 | 102 | 255 |
| 4 | 106 | 98 | 107 | 131 | 2560 | 1610 | 5520 | 155 | 114 | 104 | 97 | 539 |
| 5 | 105 | 98 | 107 | 125 | 3160 | 1550 | 3990 | 152 | 188 | 108 | 101 | 1950 |
| 6 | 104 | 98 | 107 | 120 | 2990 | 1010 | 2820 | 149 | 329 | 168 | 104 | 2480 |
| 7 | 104 | 98 | 107 | 124 | 2220 | 662 | 1330 | 146 | 202 | 211 | 112 | 1340 |
| 8 | 103 | 95 | 108 | 195 | 1570 | 457 | 578 | 144 | 154 | 253 | 103 | 447 |
| 9 | 103 | 98 | 108 | 221 | 859 | 704 | 443 | 142 | 139 | 174 | 102 | 285 |
| 10 | 102 | 100 | 108 | 187 | 527 | 1400 | 367 | 141 | 129 | 136 | 200 | 429 |
| 11 | 101 | 100 | 107 | 162 | 430 | 1550 | 346 | 140 | 141 | 132 | 387 | 682 |
| 12 | 100 | 101 | 107 | 145 | 444 | 1150 | 308 | 139 | 121 | 138 | 303 | 542 |
| 13 | 100 | 100 | 106 | 139 | 597 | 799 | 282 | 137 | 115 | 119 | 185 | 341 |
| 14 | 99 | 100 | 107 | 138 | 479 | 461 | 260 | 135 | 113 | 111 | 143 | 250 |
| 15 | 99 | 100 | 107 | 142 | 748 | 367 | 243 | 134 | 112 | 110 | 125 | 204 |
| 16 | 98 | 107 | 105 | 139 | 1340 | 312 | 231 | 132 | 110 | 110 | 115 | 580 |
| 17 | 98 | 129 | 105 | 135 | 1750 | 278 | 221 | 131 | 109 | 109 | 126 | 1140 |
| 18 | 98 | 182 | 105 | 139 | 2010 | 296 | 217 | 129 | 126 | 130 | 131 | 822 |
| 19 | 98 | 192 | 105 | 158 | 2860 | 404 | 228 | 127 | 116 | 144 | 135 | 397 |
| 20 | 98 | 164 | 107 | 237 | 3850 | 465 | 245 | 124 | 126 | 130 | 132 | 268 |
| 21 | 97 | 131 | 120 | 514 | 4370 | 381 | 225 | 128 | 164 | 112 | 134 | 213 |
| 22 | 96 | 116 | 152 | 416 | 3130 | 309 | 213 | 141 | 134 | 121 | 159 | 183 |
| 23 | 97 | 111 | 183 | 277 | 2010 | 268 | 204 | 147 | 128 | 136 | 126 | 166 |
| 24 | 96 | 109 | 193 | 216 | 714 | 243 | 196 | 183 | 165 | 133 | 110 | 155 |
| 25 | 97 | 107 | 158 | 194 | 492 | 229 | 189 | 150 | 129 | 113 | 106 | 147 |
| 26 | 98 | 109 | 138 | 181 | 408 | 251 | 182 | 141 | 118 | 107 | 104 | 139 |
| 27 | 102 | 108 | 130 | 180 | 353 | 512 | 177 | 136 | 116 | 110 | 103 | 133 |
| 28 | 104 | 113 | 125 | 168 | 316 | 852 | 171 | 128 | 136 | 108 | 100 | 129 |
| 29 | 104 | 110 | 121 | 158 | 289 | 1520 | 167 | 124 | 137 | 102 | 101 | 125 |
| 30 | 100 | 110 | 117 | 150 | --- | 1340 | 169 | 122 | 116 | 99 | 108 | 129 |
| 31 | 99 | --- | 115 | 144 | --- | 1350 | --- | 120 | --- | 98 | 105 | --- |
| TOTAL | 3131 | 3381 | 3692 | 5623 | 43623 | 21923 | 28972 | 4361 | 4136 | 3942 | 4189 | 14721 |
| MEAN | 101 | 113 | 119 | 181 | 1504 | 707 | 966 | 141 | 138 | 127 | 135 | 491 |
| MAX | 109 | 192 | 193 | 514 | 4370 | 1610 | 5520 | 183 | 329 | 253 | 387 | 2480 |
| MIN | 96 | 95 | 105 | 119 | 247 | 229 | 167 | 120 | 109 | 98 | 97 | 106 |
| CFSM | .41 | .46 | .48 | .73 | 6.09 | 2.86 | 3.91 | .57 | .56 | .51 | .55 | 1.99 |
| IN. | .47 | .51 | .56 | .85 | 6.57 | 3.30 | 4.36 | .66 | .62 | .59 | .63 | 2.22 |

CAL YR 1987 TOTAL 167205 MEAN 458 MAX 5590 MIN 95 CFSM 1.85 IN. 25.18
WTR YR 1988 TOTAL 141694 MEAN 387 MAX 5520 MIN 95 CFSM 1.57 IN. 21.34

## 07376000 TICKFAW RIVER AT HOLDEN, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.31 | 1.18 | 1.32 | 1.42 | 2.40 | 2.66 | 9.44 | 1.74 | 1.32 | 1.20 | 1.24 | 1.19 |
| 2 | 1.30 | 1.18 | 1.31 | 1.56 | 6.51 | 2.55 | 11.85 | 1.71 | 1.31 | 1.18 | 1.33 | 1.54 |
| 3 | 1.29 | 1.18 | 1.30 | 1.58 | 8.88 | 4.86 | 14.14 | 1.68 | 1.29 | 1.16 | 1.14 | 2.41 |
| 4 | 1.27 | 1.17 | 1.29 | 1.54 | 10.82 | 8.27 | 15.62 | 1.65 | 1.29 | 1.17 | 1.08 | 3.98 |
| 5 | 1.25 | 1.17 | 1.28 | 1.47 | 12.24 | 8.09 | 13.52 | 1.63 | 1.85 | 1.22 | 1.13 | 9.14 |
| 6 | 1.24 | 1.16 | 1.28 | 1.43 | 11.85 | 6.35 | 11.45 | 1.60 | 2.89 | 1.76 | 1.16 | 10.61 |
| 7 | 1.24 | 1.16 | 1.29 | 1.47 | 9.96 | 4.91 | 7.28 | 1.58 | 2.03 | 2.10 | 1.26 | 7.22 |
| 8 | 1.24 | 1.12 | 1.29 | 2.09 | 8.14 | 3.88 | 4.54 | 1.56 | 1.64 | 2.39 | 1.15 | 3.61 |
| 9 | 1.23 | 1.17 | 1.29 | 2.32 | 5.73 | 5.02 | 3.79 | 1.54 | 1.51 | 1.81 | 1.14 | 2.61 |
| 10 | 1.22 | 1.19 | 1.29 | 2.04 | 4.28 | 7.65 | 3.33 | 1.53 | 1.42 | 1.48 | 1.99 | 3.51 |
| 11 | 1.21 | 1.19 | 1.28 | 1.82 | 3.72 | 8.08 | 2.99 | 1.52 | 1.53 | 1.45 | 3.25 | 4.87 |
| 12 | 1.20 | 1.20 | 1.28 | 1.67 | 3.80 | 6.83 | 2.76 | 1.51 | 1.35 | 1.50 | 2.72 | 4.16 |
| 13 | 1.19 | 1.19 | 1.27 | 1.61 | 4.64 | 5.50 | 2.59 | 1.50 | 1.30 | 1.33 | 1.90 | 2.97 |
| 14 | 1.18 | 1.19 | 1.28 | 1.60 | 4.01 | 3.90 | 2.45 | 1.47 | 1.28 | 1.26 | 1.55 | 2.37 |
| 15 | 1.18 | 1.20 | 1.28 | 1.64 | 5.28 | 3.32 | 2.34 | 1.46 | 1.26 | 1.24 | 1.38 | 2.05 |
| 16 | 1.17 | 1.28 | 1.26 | 1.61 | 7.46 | 2.97 | 2.25 | 1.45 | 1.24 | 1.24 | 1.30 | 4.11 |
| 17 | 1.17 | 1.51 | 1.26 | 1.58 | 8.68 | 2.74 | 2.17 | 1.43 | 1.22 | 1.23 | 1.39 | 6.66 |
| 18 | 1.18 | 2.01 | 1.26 | 1.61 | 9.39 | 2.86 | 2.15 | 1.42 | 1.38 | 1.43 | 1.44 | 5.44 |
| 19 | 1.17 | 2.09 | 1.26 | 1.79 | 11.57 | 3.55 | 2.22 | 1.40 | 1.29 | 1.56 | 1.47 | 3.31 |
| 20 | 1.17 | 1.84 | 1.28 | 2.42 | 13.30 | 3.93 | 2.35 | 1.37 | 1.39 | 1.43 | 1.45 | 2.50 |
| 21 | 1.15 | 1.53 | 1.43 | 4.20 | 14.06 | 3.41 | 2.21 | 1.41 | 1.73 | 1.26 | 1.46 | 2.11 |
| 22 | 1.14 | 1.39 | 1.74 | 3.63 | 12.10 | 2.94 | 2.11 | 1.53 | 1.47 | 1.35 | 1.69 | 1.89 |
| 23 | 1.14 | 1.33 | 2.01 | 2.73 | 9.36 | 2.66 | 2.05 | 1.58 | 1.41 | 1.48 | 1.39 | 1.75 |
| 24 | 1.14 | 1.31 | 2.09 | 2.28 | 5.15 | 2.49 | 1.99 | 1.89 | 1.73 | 1.45 | 1.24 | 1.65 |
| 25 | 1.16 | 1.29 | 1.79 | 2.11 | 4.08 | 2.39 | 1.94 | 1.61 | 1.42 | 1.27 | 1.19 | 1.58 |
| 26 | 1.17 | 1.31 | 1.61 | 2.01 | 3.58 | 2.54 | 1.89 | 1.53 | 1.32 | 1.21 | 1.17 | 1.51 |
| 27 | 1.22 | 1.30 | 1.52 | 1.99 | 3.24 | 4.15 | 1.84 | 1.48 | 1.30 | 1.23 | 1.15 | 1.46 |
| 28 | 1.24 | 1.37 | 1.48 | 1.88 | 2.99 | 5.73 | 1.79 | 1.41 | 1.49 | 1.22 | 1.12 | 1.42 |
| 29 | 1.24 | 1.33 | 1.43 | 1.79 | 2.81 | 8.01 | 1.75 | 1.37 | 1.49 | 1.14 | 1.13 | 1.38 |
| 30 | 1.20 | 1.33 | 1.40 | 1.72 | --- | 7.41 | 1.77 | 1.36 | 1.31 | 1.11 | 1.21 | 1.42 |
| 31 | 1.19 | --- | 1.39 | 1.67 | --- | 7.46 | --- | 1.34 | --- | 1.10 | 1.18 | --- |
| MAX | 1.31 | 2.09 | 2.09 | 4.20 | 14.06 | 8.27 | 15.62 | 1.89 | 2.89 | 2.39 | 3.25 | 10.61 |
| MIN | 1.14 | 1.12 | 1.26 | 1.42 | 2.40 | 2.39 | 1.75 | 1.34 | 1.22 | 1.10 | 1.08 | 1.19 |

## 07376500 NATALBANY RIVER AT BAPTIST, LA.

LOCATION.--Lat 30°30'15", long 90°32'45", in NE 1/4 NW 1/4 sec.30, T.6 S., R.7 E., St. Helena meridian, Tangipahoa Parish, Hydrologic Unit 08070203, near right bank on downstream side of bridge on U.S. Highway 190, 0.7 mi downstream from Still Branch, and 0.7 mi west of Baptist.

DRAINAGE AREA.--79.5 mi².

PERIOD OF RECORD.--August 1943 to current year.

REVISED RECORDS.--WSP 1057: 1943.

GAGE.--Water-stage recorder. Datum of gage is 11.28 ft above National Geodetic Vertical Datum of 1929. Prior to June 4, 1948, nonrecording gage, and June 4, 1948, to Apr. 13, 1950, water-stage recorder at old highway bridge 100 ft upstream at same datum.

REMARKS.--Estimated daily discharges. Records fair. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--45 years, 116 ft³/s, 19.81 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,810 ft³/s Apr. 7, 1983, gage height, 20.80 ft (observed); minimum discharge, 1.8 ft³/s Nov. 2-5, 1963; minimum gage height, 2.78 ft Oct. 14, 15, 16, 17, 18, 1980.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 1,700 ft³/s and maximum(*):

| Date | Time | Discharge (ft³/s) | Gage height (ft) | Date | Time | Discharge (ft³/s) | Gage height (ft) |
|---|---|---|---|---|---|---|---|
| Feb. 3 | 1430 | 2,620 | 13.92 | Mar. 31 | 0630 | 2,060 | 12.60 |
| Feb. 19 | 1300 | *3,340 | *14.50 | Apr. 2 | 2230 | 3,200 | 14.31 |
| Mar. 4 | 0400 | 2,030 | 12.56 | Sept. 5 | 1030 | 2,670 | 13.57 |

Minimum discharge, 10.0 ft³/s Nov. 15; minimum gage height, 3.10 ft Nov. 15, Aug. 3, 4, 8, 9, 29, 30.

### DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988 MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17 | 12 | 12 | 20 | 644 | e52 | 915 | 23 | 14 | 12 | 15 | 33 |
| 2 | 17 | 11 | 12 | 41 | 2450 | e50 | 2430 | 21 | 14 | 12 | 14 | 57 |
| 3 | e16 | 11 | 11 | 24 | 1410 | 1050 | 2870 | 21 | 14 | 11 | 14 | 154 |
| 4 | e16 | 11 | 11 | 17 | 756 | 1330 | 1180 | 20 | 14 | 14 | 13 | 1090 |
| 5 | e15 | 11 | 11 | 14 | 619 | 302 | 251 | 20 | 32 | 15 | 19 | 2270 |
| 6 | e15 | 11 | 11 | 13 | 601 | 139 | 160 | 19 | 22 | 86 | 15 | 482 |
| 7 | e14 | 11 | 12 | 24 | 320 | 87 | 103 | 19 | 25 | 31 | 14 | 118 |
| 8 | e14 | 11 | 11 | 155 | 177 | 88 | 86 | 19 | 18 | 17 | 14 | 65 |
| 9 | e14 | 13 | 11 | 66 | 120 | 756 | e80 | 18 | 15 | 13 | 21 | 48 |
| 10 | e14 | 12 | 11 | 39 | 85 | 1060 | e75 | 18 | 49 | 23 | 93 | 573 |
| 11 | e13 | 11 | 11 | 28 | 76 | 305 | e69 | 18 | 35 | 20 | 81 | 368 |
| 12 | e13 | 11 | 12 | 22 | 146 | 137 | e63 | 17 | 18 | 17 | 64 | 166 |
| 13 | e13 | 11 | 11 | 23 | 104 | 87 | e58 | 17 | 16 | 13 | 34 | 77 |
| 14 | 13 | 11 | 11 | 24 | 84 | 71 | e54 | 17 | 14 | 11 | 18 | 52 |
| 15 | 12 | 11 | 13 | 21 | 1130 | e64 | e50 | 16 | 14 | 18 | 15 | 42 |
| 16 | 12 | 32 | 11 | 19 | 657 | e60 | e48 | 16 | 14 | 13 | 14 | 255 |
| 17 | 13 | 76 | 11 | 19 | 223 | e56 | e43 | 16 | 13 | 24 | 369 | 217 |
| 18 | 12 | 35 | 11 | 20 | 1280 | 130 | e41 | 15 | 13 | 214 | 300 | 83 |
| 19 | 12 | 19 | 11 | 57 | 3140 | 134 | e38 | 15 | 13 | 69 | 70 | 50 |
| 20 | 12 | 15 | 12 | 364 | 1960 | 74 | e35 | 15 | 13 | 34 | 30 | 38 |
| 21 | 12 | 13 | 43 | 155 | 450 | e66 | e33 | 19 | 13 | 25 | 239 | 33 |
| 22 | 12 | 12 | 74 | 65 | 177 | e60 | e31 | 32 | 13 | 88 | 90 | 29 |
| 23 | 12 | 12 | 33 | 43 | 117 | e56 | 29 | 19 | 21 | 40 | 22 | 27 |
| 24 | 12 | 12 | 21 | 38 | 90 | e54 | 28 | 16 | 16 | 26 | 21 | 26 |
| 25 | 12 | 12 | 17 | 46 | 71 | e52 | 26 | 24 | 15 | 19 | 17 | 25 |
| 26 | 14 | 22 | 14 | 39 | 63 | 94 | 25 | 18 | 14 | 38 | 16 | 24 |
| 27 | 16 | 20 | 13 | 32 | e60 | 70 | 25 | 16 | 13 | 52 | 15 | 24 |
| 28 | 12 | 36 | 12 | 26 | e56 | e66 | 23 | 16 | 12 | 41 | 14 | 23 |
| 29 | 12 | 17 | 12 | 23 | e54 | e62 | 23 | 15 | 12 | 17 | 13 | 23 |
| 30 | 12 | 13 | 12 | 20 | --- | 731 | 25 | 15 | 12 | 15 | 32 | 331 |
| 31 | 12 | --- | 12 | 20 | --- | 1800 | --- | 15 | --- | 15 | 35 | --- |
| TOTAL | 415 | 515 | 490 | 1517 | 17120 | 9143 | 8917 | 565 | 521 | 1043 | 1741 | 6803 |
| MEAN | 13.4 | 17.2 | 15.8 | 48.9 | 590 | 295 | 297 | 18.2 | 17.4 | 33.6 | 56.2 | 227 |
| MAX | 17 | 76 | 74 | 364 | 3140 | 1800 | 2870 | 32 | 49 | 214 | 369 | 2270 |
| MIN | 12 | 11 | 11 | 13 | 54 | 50 | 23 | 15 | 12 | 11 | 13 | 23 |
| CFSM | .17 | .22 | .20 | .62 | 7.43 | 3.71 | 3.74 | .23 | .22 | .42 | .71 | 2.85 |
| IN. | .19 | .24 | .23 | .71 | 8.01 | 4.28 | 4.17 | .26 | .24 | .49 | .81 | 3.18 |

CAL YR 1987 TOTAL 50485 MEAN 138 MAX 2950 MIN 11 CFSM 1.74 IN. 23.62
WTR YR 1988 TOTAL 48790 MEAN 133 MAX 3140 MIN 11 CFSM 1.68 IN. 22.83

e Estimated.

## 07376500 NATALBANY RIVER AT BAPTIST, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.35 | 3.14 | 3.15 | 3.33 | 6.89 | --- | 9.21 | 3.43 | 3.23 | 3.15 | 3.16 | 3.54 |
| 2 | --- | 3.14 | 3.14 | 3.77 | 13.62 | --- | 12.87 | 3.41 | 3.22 | 3.14 | 3.14 | 3.72 |
| 3 | --- | 3.14 | 3.14 | 3.47 | 11.11 | 9.65 | 13.85 | 3.39 | 3.22 | 3.14 | 3.13 | 4.88 |
| 4 | --- | 3.14 | 3 13 | 3.31 | 8.55 | 10.46 | 9.84 | 3.39 | 3.22 | 3.21 | 3.11 | 9.06 |
| 5 | --- | 3.13 | 3.13 | 3.23 | 7.87 | 5.99 | 5.66 | 3.37 | 3.58 | 3.25 | 3.27 | 12.90 |
| 6 | --- | 3.12 | 3.12 | 3.19 | 7.77 | 4.83 | 5.00 | 3.35 | 3.42 | 4.25 | 3.15 | 6.95 |
| 7 | --- | 3.11 | 3.14 | 3.43 | 6.12 | 4.36 | 4.52 | 3.34 | 3.49 | 3.60 | 3.13 | 4.64 |
| 8 | --- | 3.12 | 3.14 | 4.96 | 5.14 | 4.35 | 4.36 | 3.35 | 3.31 | 3.30 | 3.12 | 4.11 |
| 9 | --- | 3.18 | 3.13 | 4.12 | 4.67 | 8.10 | --- | 3.33 | 3.24 | 3.20 | 3.29 | 3.87 |
| 10 | --- | 3.16 | 3.12 | 3.74 | 4.35 | 9.73 | --- | 3.33 | 3.80 | 3.44 | 4.28 | 7.38 |
| 11 | --- | 3.13 | 3.13 | 3.54 | 4.25 | 6.01 | --- | 3.32 | 3.66 | 3.38 | 4.21 | 6.41 |
| 12 | --- | 3.12 | 3.14 | 3.43 | 4.89 | 4.82 | --- | 3.30 | 3.34 | 3.29 | 3.94 | 5.04 |
| 13 | --- | 3.11 | 3.12 | 3.44 | 4.52 | 4.37 | --- | 3.30 | 3.26 | 3.18 | 3.54 | 4.25 |
| 14 | 3.19 | 3.12 | 3.12 | 3.46 | 4.30 | 4.18 | --- | 3.29 | 3.22 | 3.13 | 3.23 | 3.94 |
| 15 | 3.18 | 3.12 | 3.18 | 3.40 | 10.19 | --- | --- | 3.28 | 3.21 | 3.28 | 3.15 | 3.78 |
| 16 | 3.18 | 3.46 | 3.14 | 3.35 | 8.01 | --- | --- | 3.28 | 3.21 | 3.18 | 3.13 | 5.48 |
| 17 | 3.18 | 4.23 | 3.12 | 3.34 | 5.47 | --- | --- | 3.27 | 3.19 | 3.36 | 5.89 | 5.41 |
| 18 | 3.17 | 3.66 | 3.12 | 3.38 | 9.68 | 4.73 | --- | 3.26 | 3.19 | 5.26 | 5.92 | 4.31 |
| 19 | 3.17 | 3.35 | 3.12 | 3.97 | 14.29 | 4.78 | --- | 3.26 | 3.19 | 4.07 | 4.07 | 3.90 |
| 20 | 3.16 | 3.25 | 3.16 | 6.39 | 12.26 | 4.22 | --- | 3.25 | 3.19 | 3.57 | 3.49 | 3.72 |
| 21 | 3.16 | 3.20 | 3.72 | 4.95 | 6.86 | --- | --- | 3.35 | 3.18 | 3.39 | 4.90 | 3.63 |
| 22 | 3.16 | 3.17 | 4.21 | 4.11 | 5.13 | --- | 3.60 | 3.60 | 3.20 | 4.24 | 4.19 | 3.57 |
| 23 | 3.17 | 3.16 | 3.63 | 3.81 | 4.63 | --- | 3.57 | 3.34 | 3.41 | 3.67 | 3.34 | 3.53 |
| 24 | 3.17 | 3.15 | 3.40 | 3.72 | 4.37 | --- | 3.54 | 3.29 | 3.28 | 3.42 | 3.31 | 3.50 |
| 25 | 3.17 | 3.14 | 3.29 | 3.84 | 4.16 | --- | 3.51 | 3.46 | 3.26 | 3.26 | 3.21 | 3.49 |
| 26 | 3.23 | 3.41 | 3.23 | 3.74 | 4.06 | 4.42 | 3.49 | 3.33 | 3.21 | 3.60 | 3.18 | 3.47 |
| 27 | 3.27 | 3.38 | 3.20 | 3.61 | --- | 4.16 | 3.48 | 3.28 | 3.18 | 3.70 | 3.17 | 3.46 |
| 28 | 3.17 | 3.67 | 3.17 | 3.50 | --- | 4.14 | 3.45 | 3.27 | 3.17 | 3.65 | 3.14 | 3.45 |
| 29 | 3.15 | 3.30 | 3.15 | 3.44 | --- | 4.13 | 3.44 | 3.26 | 3.16 | 3.22 | 3.11 | 3.45 |
| 30 | 3.15 | 3.18 | 3.14 | 3.38 | --- | 7.75 | 3.48 | 3.25 | 3.16 | 3.15 | 3.51 | 5.44 |
| 31 | 3.15 | --- | 3.16 | 3.37 | --- | 12.04 | --- | 3.24 | --- | 3.15 | 3.57 | --- |
| MAX | 3.35 | 4.23 | 4.21 | 6.39 | 13.62 | 12.04 | 13.85 | 3.60 | 3.80 | 5.26 | 5.92 | 12.90 |
| MIN | 3.15 | 3.11 | 3.12 | 3.19 | --- | --- | 3.44 | 3.24 | 3.16 | 3.13 | 3.11 | 3.45 |

## 07377000 AMITE RIVER NEAR DARLINGTON, LA

LOCATION.--Lat 30°53'20", long 90°50'40", in lot 72, T.2 S., R.4 E., St. Helena meridian, St. Helena Parish, Hydrologic Unit 08070202, near center of span on downstream side of bridge on State Highway 10, 1.5 mi upstream from Collins Creek, and 4.0 mi west of Darlington.

DRAINAGE AREA.--580 mi².

PERIOD OF RECORD.--March 1949 to September 1950 (annual maximum), October 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 145.31 ft above National Geodetic Vertical Datum of 1929. Jan. 13, 1951, to May 28, 1963, water-stage recorder at former channel 700 ft to the left; and July 30, 1963, to Feb. 12, 1964, nonrecording gage at present site. Prior to Oct. 1, 1963, at datum 2.99 ft higher.

AVERAGE DISCHARGE.--38 years, 925 ft³/s, 21.66 in/yr.

REMARKS.--Estimated daily discharges. Records good. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 76,400 ft³/s Apr. 22, 1977, gage height, 21.76 ft; minimum, 188 ft³/s Oct. 18, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 8,000 ft³/s and maximum (*):

| Date | Time | Discharge (ft³/s) | Gage height (ft) | Date | Time | Discharge (ft³/s) | Gage height (ft) |
|---|---|---|---|---|---|---|---|
| Feb. 19 | 1100 | 9,590 | 12.50 | Apr. 3 | 0130 | *22,000 | *16.69 |
| Mar. 27 | 0300 | 9,530 | 12.47 | | | | |

Minimum discharge, 238 ft³/s Oct. 22, gage height, 2.58 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 273 | 257 | 306 | 391 | 1170 | 559 | 10300 | 460 | 322 | 305 | 256 | 294 |
| 2 | 269 | 254 | 294 | 471 | 5660 | 538 | 14900 | 449 | 316 | 292 | 271 | 287 |
| 3 | 262 | 254 | 289 | 509 | 3230 | 1680 | 19800 | 438 | 321 | 287 | 362 | 481 |
| 4 | 255 | 255 | 288 | 443 | 2740 | 3890 | 11000 | 432 | 327 | 489 | 313 | 3320 |
| 5 | 255 | 255 | 286 | 401 | 2360 | 3380 | 3780 | 423 | 376 | 598 | 265 | 6360 |
| 6 | 258 | 250 | 284 | 380 | 3090 | 1840 | 1880 | 412 | 356 | 1560 | 268 | 2510 |
| 7 | 256 | 248 | 292 | 430 | 1960 | 1120 | 1560 | 407 | 340 | 1100 | 282 | 947 |
| 8 | 252 | 251 | 296 | 730 | 1240 | 885 | 1270 | 407 | 329 | 602 | 266 | 629 |
| 9 | 252 | 260 | 294 | 660 | 936 | 2470 | 923 | 405 | 319 | 431 | 274 | 503 |
| 10 | 252 | 270 | 290 | 542 | 776 | 5070 | e800 | 399 | 307 | 381 | 421 | 559 |
| 11 | 252 | 280 | 288 | 453 | 805 | 2880 | e730 | 397 | 298 | 362 | 603 | 1310 |
| 12 | 250 | 269 | 288 | 413 | 1190 | 1500 | e675 | 388 | 293 | 345 | 507 | 892 |
| 13 | 247 | 260 | 285 | 426 | 997 | 1100 | e635 | 384 | 291 | 329 | 328 | 603 |
| 14 | 247 | 263 | 286 | 443 | 819 | 866 | e600 | 380 | 289 | 326 | 304 | 1090 |
| 15 | 249 | 265 | 289 | 421 | 3230 | 726 | e570 | 376 | 288 | 302 | 275 | 707 |
| 16 | 249 | 299 | 299 | 403 | 4450 | 645 | e550 | 373 | 282 | 291 | 264 | 539 |
| 17 | 250 | 609 | 294 | 398 | 2620 | 592 | e530 | 370 | 281 | 283 | 261 | 604 |
| 18 | 249 | 639 | 285 | 406 | 3080 | 869 | e620 | 360 | 292 | 449 | 279 | 567 |
| 19 | 249 | 411 | 290 | 505 | 9020 | 1240 | 734 | 352 | 375 | 470 | 383 | 465 |
| 20 | 248 | 325 | 382 | 1300 | 7180 | 983 | 1130 | 349 | 526 | 405 | 328 | 414 |
| 21 | 243 | 297 | 611 | 1360 | 3980 | 756 | 805 | 360 | 385 | 364 | 278 | 382 |
| 22 | 240 | 287 | 872 | 803 | 1630 | 650 | 656 | 387 | 637 | 425 | 264 | 361 |
| 23 | 242 | 285 | 643 | 586 | 1170 | 586 | 605 | 391 | 381 | 450 | 261 | 344 |
| 24 | 246 | 285 | 500 | 508 | 955 | 542 | 578 | 387 | 321 | 346 | 271 | 333 |
| 25 | 250 | 285 | 426 | 511 | 813 | 1100 | 550 | 364 | 395 | 297 | 263 | 324 |
| 26 | 266 | 285 | 396 | 478 | 719 | 7950 | 523 | 343 | 814 | 283 | 288 | 316 |
| 27 | 302 | 288 | 464 | 434 | 664 | 8740 | 503 | 335 | 483 | 280 | 269 | 309 |
| 28 | 290 | 333 | 564 | 410 | 629 | 3790 | 482 | 333 | 410 | 269 | 252 | 302 |
| 29 | 261 | 374 | 474 | 394 | 592 | 1470 | 468 | 330 | 363 | 263 | 261 | 296 |
| 30 | 255 | 336 | 409 | 386 | --- | 2210 | 465 | 328 | 320 | 267 | 266 | 294 |
| 31 | 257 | --- | 379 | 381 | --- | 8340 | --- | 325 | --- | 258 | 280 | --- |
| TOTAL | 7926 | 9229 | 11643 | 16376 | 67705 | 68967 | 78622 | 11844 | 11037 | 13109 | 9463 | 26342 |
| MEAN | 256 | 308 | 376 | 528 | 2335 | 2225 | 2621 | 382 | 368 | 423 | 305 | 878 |
| MAX | 302 | 639 | 872 | 1360 | 9020 | 8740 | 19800 | 460 | 814 | 1560 | 603 | 6360 |
| MIN | 240 | 248 | 284 | 380 | 592 | 538 | 465 | 325 | 281 | 258 | 252 | 287 |
| CFSM | .44 | .53 | .65 | .91 | 4.03 | 3.84 | 4.52 | .66 | .63 | .73 | .53 | 1.51 |
| IN. | .51 | .59 | .75 | 1.05 | 4.34 | 4.42 | 5.04 | .76 | .71 | .84 | .61 | 1.69 |

| | | | | | | |
|---|---|---|---|---|---|---|
| CAL YR 1987 | TOTAL 446221 | MEAN 1223 | MAX 18900 | MIN 240 | CFSM 2.11 | IN. 28.62 |
| WTR YR 1988 | TOTAL 332263 | MEAN 908 | MAX 19800 | MIN 240 | CFSM 1.57 | IN. 21.31 |

e Estimated.

### 07377000 AMITE RIVER NEAR DARLINGTON, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.70 | 2.65 | 2.79 | 3.00 | 4.23 | 3.41 | 12.88 | 3.18 | 2.88 | 2.89 | 2.81 | 2.92 |
| 2 | 2.69 | 2.64 | 2.76 | 3.20 | 9.73 | 3.36 | 14.54 | 3.17 | 2.87 | 2.86 | 2.85 | 2.90 |
| 3 | 2.67 | 2.64 | 2.74 | 3.29 | 7.42 | 5.37 | 16.16 | 3.14 | 2.88 | 2.65 | 3.07 | 3.33 |
| 4 | 2.65 | 2.65 | 2.74 | 3.13 | 6.91 | 8.10 | 13.04 | 3.13 | 2.90 | 3.31 | 2.96 | 6.98 |
| 5 | 2.65 | 2.65 | 2.74 | 3.03 | 6.44 | 7.59 | 7.92 | 3.10 | 3.02 | 3.56 | 2.84 | 10.33 |
| 6 | 2.66 | 2.63 | 2.73 | 2.98 | 7.29 | 5.72 | 5.80 | 3.08 | 2.98 | 5.27 | 2.85 | 6.53 |
| 7 | 2.65 | 2.62 | 2.75 | 3.10 | 5.90 | 4.58 | 5.32 | 3.06 | 2.94 | 4.55 | 2.88 | 4.26 |
| 8 | 2.63 | 2.63 | 2.76 | 3.82 | 4.79 | 4.15 | 4.85 | 3.06 | 2.91 | 3.57 | 2.84 | 3.58 |
| 9 | 2.64 | 2.66 | 2.76 | 3.65 | 4.25 | 6.25 | 4.22 | 3.06 | 2.88 | 3.20 | 2.86 | 3.28 |
| 10 | 2.64 | 2.69 | 2.75 | 3.37 | 3.93 | 9.22 | --- | 3.05 | 2.86 | 3.09 | 3.20 | 3.41 |
| 11 | 2.63 | 2.72 | 2.74 | 3.16 | 3.97 | 7.02 | --- | 3.05 | 2.84 | 3.04 | 3.60 | 4.90 |
| 12 | 2.63 | 2.69 | 2.74 | 3.06 | 4.71 | 5.22 | --- | 3.03 | 2.82 | 3.00 | 3.39 | 4.15 |
| 13 | 2.61 | 2.66 | 2.73 | 3.09 | 4.36 | 4.54 | --- | 3.02 | 2.82 | 2.98 | 3.00 | 3.52 |
| 14 | 2.61 | 2.67 | 2.74 | 3.13 | 4.02 | 4.11 | --- | 3.01 | 2.81 | 2.97 | 2.94 | 4.49 |
| 15 | 2.62 | 2.68 | 2.74 | 3.08 | 7.21 | 3.81 | --- | 3.00 | 2.81 | 2.91 | 2.86 | 3.75 |
| 16 | 2.62 | 2.77 | 2.77 | 3.03 | 8.64 | 3.62 | --- | 2.99 | 2.80 | 2.88 | 2.84 | 3.36 |
| 17 | 2.63 | 3.53 | 2.76 | 3.02 | 6.71 | 3.49 | --- | 2.98 | 2.80 | 2.86 | 2.83 | 3.52 |
| 18 | 2.62 | 3.60 | 2.73 | 3.04 | 6.98 | 4.08 | --- | 2.96 | 2.83 | 3.24 | 2.88 | 3.43 |
| 19 | 2.62 | 3.05 | 2.75 | 3.28 | 12.18 | 4.79 | 3.83 | 2.95 | 3.04 | 3.30 | 3.12 | 3.19 |
| 20 | 2.62 | 2.84 | 2.98 | 4.87 | 10.98 | 4.33 | 4.59 | 2.94 | 3.39 | 3.16 | 3.00 | 3.06 |
| 21 | 2.60 | 2.77 | 3.53 | 5.00 | 8.12 | 3.88 | 3.98 | 2.97 | 3.07 | 3.06 | 2.87 | 2.99 |
| 22 | 2.59 | 2.74 | 4.12 | 3.97 | 5.42 | 3.63 | 3.64 | 3.04 | 3.62 | 3.20 | 2.84 | 2.93 |
| 23 | 2.60 | 2.73 | 3.61 | 3.47 | 4.68 | 3.47 | 3.52 | 3.04 | 3.06 | 3.26 | 2.83 | 2.89 |
| 24 | 2.61 | 2.73 | 3.27 | 3.29 | 4.28 | 3.37 | 3.46 | 3.03 | 2.92 | 3.03 | 2.86 | 2.86 |
| 25 | 2.63 | 2.73 | 3.09 | 3.30 | 4.01 | 4.23 | 3.40 | 2.98 | 3.09 | 2.91 | 2.83 | 2.84 |
| 26 | 2.68 | 2.73 | 3.02 | 3.22 | 3.60 | 11.46 | 3.34 | 2.93 | 4.02 | 2.88 | 2.90 | 2.82 |
| 27 | 2.78 | 2.74 | 3.18 | 3.11 | 3.66 | 12.01 | 3.29 | 2.91 | 3.30 | 2.87 | 2.85 | 2.80 |
| 28 | 2.75 | 2.86 | 3.42 | 3.05 | 3.58 | 7.85 | 3.24 | 2.91 | 3.14 | 2.84 | 2.79 | 2.78 |
| 29 | 2.67 | 2.96 | 3.21 | 3.01 | 3.49 | 5.19 | 3.20 | 2.90 | 3.03 | 2.82 | 2.83 | 2.76 |
| 30 | 2.65 | 2.87 | 3.05 | 2.99 | --- | 6.07 | 3.20 | 2.90 | 2.93 | 2.84 | 2.84 | 2.76 |
| 31 | 2.65 | --- | 2.98 | 2.98 | --- | 11.74 | --- | 2.89 | --- | 2.82 | 2.88 | --- |
| MAX | 2.78 | 3.60 | 4.12 | 5.00 | 12.18 | 12.01 | 16.16 | 3.18 | 4.02 | 5.27 | 3.60 | 10.33 |
| MIN | 2.59 | 2.62 | 2.73 | 2.98 | 3.49 | 3.36 | 3.20 | 2.89 | 2.80 | 2.82 | 2.79 | 2.76 |

## 07377500 COMITE RIVER NEAR OLIVE BRANCH, LA

LOCATION.--Lat 30°45'21", long 91°02'38", in lot 41, T 3 S., R.2 E., St. Helena meridian, East Feliciana Parish, Hydrologic Unit 08070202, near center of span on downstream side of bridge on State Highway 67, 1,000 ft downstream from Knighton Bayou, and 1.3 mi northeast of Olive Branch.

DRAINAGE AREA.--145 mi².

PERIOD OF RECORD.--August 1942 to current year.

REVISED RECORDS.--WSP 1177: 1948 1949(M). WSP 1920: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 113.65 ft above National Geodetic Vertical Datum of 1929. Aug. 20, 1942, to Oct. 28, 1949, nonrecording gage. Oct. 29, 1949, to Feb. 3, 1964, water-stage recorder at site 1,400 ft upstream. Prior to Oct. 1, 1977, at datum 2.00 ft higher.

REMARKS.--Estimated daily discharges. Records are fair. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--46 years, 234 ft³/s, 21.92 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,400 ft³/s Apr. 22, 1977: maximum gage height, 23.37 ft present datum, Mar. 18, 1961; minimum discharge, 28 ft³/s Oct. 12, 13, 15, 16, 17, 18, 19, 1972; minimum gage height, 0.84 ft Sept. 14, 15-17, 18, 1986.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 3,000 ft³/s and maximum (*):

| Date | Time | Discharge (ft³/s) | Gage height (ft) | Date | Time | Discharge (ft³/s) | Gage height (ft) |
|---|---|---|---|---|---|---|---|
| Feb. 2 | 0200 | 3,870 | 7.48 | Apr. 3 | 0030 | *11,200 | *13.59 |
| Feb. 18 | 2100 | 4,250 | 7.90 | | | | |

Minimum discharge, 41 ft³/s Oct. 21, 22, 23, 24, 25, June 15, 16: minimum gage height, 1.06 ft Oct. 21, 22, 23, 24, 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 46 | 45 | 57 | 67 | 1060 | 85 | 3600 | 57 | 46 | 47 | 51 | 102 |
| 2 | 46 | 46 | 55 | 101 | 3060 | 87 | 6730 | 56 | 45 | 46 | 52 | 152 |
| 3 | 45 | 45 | 54 | 115 | 1930 | 913 | 6820 | 54 | 45 | 46 | 52 | 307 |
| 4 | 45 | 45 | 53 | 78 | 802 | 1530 | 1510 | 53 | 46 | 45 | 52 | 1170 |
| 5 | 44 | 45 | 53 | 68 | 623 | 680 | 312 | 52 | 51 | 93 | 52 | 3450 |
| 6 | 45 | 45 | 53 | 63 | 971 | 221 | 211 | 51 | 54 | 146 | 52 | 3390 |
| 7 | 45 | 45 | 54 | 125 | 349 | 152 | e175 | 51 | 51 | 87 | 54 | 734 |
| 8 | 45 | 45 | 54 | 280 | 194 | 152 | e150 | 51 | 48 | 62 | 62 | 170 |
| 9 | 44 | 50 | 53 | 126 | 151 | 1820 | e135 | 51 | 47 | 58 | 62 | 132 |
| 10 | 44 | 50 | 52 | 87 | 127 | 2050 | e120 | 51 | 46 | 58 | 76 | 175 |
| 11 | 44 | 58 | 51 | 75 | 156 | 544 | e110 | 51 | 45 | 60 | 154 | 515 |
| 12 | 44 | 51 | 52 | 68 | 441 | 211 | e100 | 50 | 45 | 60 | 175 | 627 |
| 13 | 43 | 48 | 52 | 71 | 196 | 153 | e95 | 49 | 44 | 60 | 114 | 358 |
| 14 | 44 | 46 | 52 | 82 | 142 | 122 | e90 | 49 | 44 | 58 | 89 | 122 |
| 15 | 44 | 45 | 52 | 75 | 1170 | 104 | e85 | 49 | 42 | 53 | 78 | 107 |
| 16 | 44 | 66 | 54 | 68 | 1260 | 96 | e80 | 48 | 42 | 48 | 69 | 124 |
| 17 | 44 | 196 | 55 | 65 | 301 | 91 | e76 | 48 | 43 | 48 | 58 | 343 |
| 18 | 44 | 163 | 53 | 72 | 1860 | 255 | e100 | 48 | 47 | 48 | 71 | 386 |
| 19 | 43 | 74 | 53 | 106 | 3680 | 301 | e110 | 47 | 112 | 48 | 145 | 154 |
| 20 | 44 | 59 | 65 | 331 | 2740 | 144 | e85 | 47 | 84 | 48 | 138 | 112 |
| 21 | 43 | 55 | 213 | 158 | 414 | 111 | 70 | 49 | 61 | 50 | 80 | e92 |
| 22 | 42 | 55 | 337 | 92 | 207 | 99 | 66 | 53 | 51 | 50 | 94 | e85 |
| 23 | 42 | 54 | 139 | 77 | 153 | 93 | 65 | 56 | 48 | 50 | 86 | e80 |
| 24 | 42 | 53 | 85 | 72 | 128 | 95 | 64 | 54 | 48 | 50 | 67 | e76 |
| 25 | 42 | 53 | 71 | 82 | 113 | 137 | 63 | 48 | 62 | 50 | 65 | e74 |
| 26 | 48 | 53 | 66 | 80 | 102 | 651 | 61 | 47 | 81 | 50 | 65 | e72 |
| 27 | 54 | 54 | 65 | 70 | 95 | 368 | 60 | 46 | 112 | 52 | 63 | e70 |
| 28 | 55 | 61 | 78 | 65 | 91 | 144 | 58 | 46 | 58 | 63 | 56 | e69 |
| 29 | 47 | 81 | 68 | 63 | 88 | 111 | 57 | 46 | 54 | 62 | 52 | e71 |
| 30 | 45 | 65 | 61 | 61 | --- | 1060 | 58 | 46 | 50 | 52 | 57 | e73 |
| 31 | 45 | --- | 60 | 62 | --- | 3170 | --- | 46 | --- | 51 | 82 | --- |
| TOTAL | 1392 | 1851 | 2320 | 3005 | 22604 | 15750 | 21316 | 1550 | 1652 | 1799 | 2423 | 13392 |
| MEAN | 44.9 | 61.7 | 74.8 | 96.9 | 779 | 508 | 711 | 50.0 | 55.1 | 58.0 | 78.2 | 446 |
| MAX | 55 | 196 | 337 | 331 | 3680 | 3170 | 6820 | 57 | 112 | 146 | 175 | 3450 |
| MIN | 42 | 45 | 51 | 61 | 88 | 85 | 57 | 46 | 42 | 45 | 51 | 69 |
| CFSM | .31 | .43 | .52 | .67 | 5.38 | 3.50 | 4.90 | .34 | .38 | .40 | .54 | 3.08 |
| IN. | .36 | .47 | .60 | .77 | 5.80 | 4.04 | 5.47 | .40 | .42 | .46 | .62 | 3.44 |

CAL YR 1987 TOTAL 95155 MEAN 261 MAX 5040 MIN 42 CFSM 1.80 IN. 24.41
WTR YR 1988 TOTAL 89054 MEAN 243 MAX 6820 MIN 42 CFSM 1.68 IN. 22.85

e Estimated.

## 07377500 COMITE RIVER NEAR OLIVE BRANCH, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.10 | 1.09 | 1.19 | 1.26 | 3.13 | 1.40 | 7.20 | 1.28 | 1.15 | 1.12 | 1.10 | 1.47 |
| 2 | 1.10 | 1.09 | 1.17 | 1.51 | 6.61 | 1.42 | 10.07 | 1.27 | 1.15 | 1.11 | 1.10 | 1.77 |
| 3 | 1.09 | 1.09 | 1.17 | 1.60 | 5.28 | 3.73 | 10.10 | 1.26 | 1.15 | 1.10 | 1.10 | 2.43 |
| 4 | 1.09 | 1.09 | 1.16 | 1.35 | 3.57 | 4.72 | 4.55 | 1.25 | 1.16 | 1.10 | 1.10 | 4.19 |
| 5 | 1.09 | 1.09 | 1.16 | 1.28 | 3.22 | 3.25 | 2.46 | 1.24 | 1.19 | 1.43 | 1.10 | 7.03 |
| 6 | 1.09 | 1.09 | 1.16 | 1.24 | 3.87 | 2.12 | 2.13 | 1.23 | 1.22 | 1.77 | 1.10 | 6.97 |
| 7 | 1.09 | 1.09 | 1.17 | 1.61 | 2.53 | 1.81 | --- | 1.23 | 1.19 | 1.41 | 1.12 | 3.46 |
| 8 | 1.09 | 1.09 | 1.17 | 2.33 | 2.01 | 1.80 | --- | 1.22 | 1.17 | 1.23 | 1.18 | 1.65 |
| 9 | 1.08 | 1.13 | 1.16 | 1.66 | 1.80 | 5.04 | --- | 1.22 | 1.16 | 1.20 | 1.18 | 1.40 |
| 10 | 1.08 | 1.13 | 1.15 | 1.41 | 1.68 | 5.44 | --- | 1.22 | 1.15 | 1.20 | 1.29 | 1.68 |
| 11 | 1.08 | 1.19 | 1.14 | 1.33 | 1.82 | 2.98 | --- | 1.22 | 1.13 | 1.20 | 1.78 | 3.00 |
| 12 | 1.08 | 1.14 | 1.15 | 1.28 | 2.80 | 2.08 | --- | 1.21 | 1.13 | 1.20 | 1.89 | 3.24 |
| 13 | 1.08 | 1.12 | 1.15 | 1.30 | 2.01 | 1.81 | --- | 1.21 | 1.12 | 1.20 | 1.57 | 2.55 |
| 14 | 1.08 | 1.10 | 1.15 | 1.38 | 1.76 | 1.65 | --- | 1.20 | 1.12 | 1.19 | 1.38 | 1.33 |
| 15 | 1.08 | 1.09 | 1.15 | 1.33 | 4.12 | 1.54 | --- | 1.20 | 1.11 | 1.15 | 1.30 | 1.21 |
| 16 | 1.08 | 1.24 | 1.16 | 1.28 | 4.31 | 1.48 | --- | 1.20 | 1.10 | 1.10 | 1.18 | 1.35 |
| 17 | 1.09 | 2.00 | 1.17 | 1.26 | 2.40 | 1.45 | --- | 1.19 | 1.10 | 1.10 | 1.15 | 2.50 |
| 18 | 1.08 | 1.83 | 1.16 | 1.30 | 4.68 | 2.21 | --- | 1.18 | 1.14 | 1.10 | 1.25 | 2.65 |
| 19 | 1.08 | 1.32 | 1.16 | 1.52 | 7.28 | 2.39 | --- | 1.18 | 1.56 | 1.10 | 1.74 | 1.55 |
| 20 | 1.08 | 1.21 | 1.25 | 2.46 | 6.21 | 1.77 | --- | 1.17 | 1.42 | 1.10 | 1.70 | 1.25 |
| 21 | 1.07 | 1.18 | 2.00 | 1.83 | 2.71 | 1.59 | 1.39 | 1.20 | 1.25 | 1.10 | 1.32 | --- |
| 22 | 1.06 | 1.17 | 2.52 | 1.45 | 2.06 | 1.50 | 1.36 | 1.23 | 1.17 | 1.10 | 1.42 | --- |
| 23 | 1.07 | 1.17 | 1.73 | 1.35 | 1.81 | 1.46 | 1.35 | 1.25 | 1.14 | 1.10 | 1.36 | --- |
| 24 | 1.07 | 1.16 | 1.40 | 1.30 | 1.68 | 1.47 | 1.35 | 1.23 | 1.14 | 1.10 | 1.22 | --- |
| 25 | 1.07 | 1.16 | 1.30 | 1.38 | 1.60 | 1.73 | 1.34 | 1.19 | 1.25 | 1.10 | 1.20 | --- |
| 26 | 1.12 | 1.16 | 1.26 | 1.37 | 1.52 | 3.30 | 1.32 | 1.18 | 1.38 | 1.10 | 1.20 | --- |
| 27 | 1.16 | 1.17 | 1.25 | 1.29 | 1.48 | 2.56 | 1.30 | 1.17 | 1.58 | 1.12 | 1.19 | --- |
| 28 | 1.18 | 1.22 | 1.35 | 1.25 | 1.45 | 1.77 | 1.28 | 1.16 | 1.22 | 1.20 | 1.13 | --- |
| 29 | 1.11 | 1.37 | 1.27 | 1.24 | 1.43 | 1.59 | 1.28 | 1.16 | 1.18 | 1.19 | 1.10 | --- |
| 30 | 1.09 | 1.25 | 1.22 | 1.23 | --- | 3.46 | 1.29 | 1.16 | 1.14 | 1.11 | 1.14 | --- |
| 31 | 1.09 | --- | 1.21 | 1.23 | --- | 6.73 | --- | 1.16 | --- | 1.10 | 1.33 | --- |
| MAX | 1.18 | 2.00 | 2.52 | 2.46 | 7.28 | 6.73 | 10.10 | 1.28 | 1.58 | 1.77 | 1.89 | 7.03 |
| MIN | 1.06 | 1.09 | 1.14 | 1.23 | 1.43 | 1.40 | 1.28 | 1.16 | 1.10 | 1.10 | 1.10 | --- |

## 07377782 WHITE BAYOU SOUTHEAST OF ZACHARY, LA

LOCATION.--Lat 30°38'13", long 91°07'39", at center of E 1/2 lot 39, T.5 S., R.1 E., St. Helena meridian, East Baton Rouge Parish, Hydrologic Unit 08070202, near center of span on downstream side of bridge on Lower Zachary Road, 1.5 mi downstream from Indian Bayou, and 2.0 mi southeast of Zachary.

DRAINAGE AREA.--45 mi$^2$, approximately.

PERIOD OF RECORD.--August 1972 to current year. Daily gage heights from January 1965 to July 1972 published as White Bayou near Zachary by Corps of Engineers, New Orleans District.

GAGE.--Water-stage recorder. Datum of gage is 65.00 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Estimated daily discharges. Records are fair. Indefinite stage-discharge relationship: Oct. 10-14, 26-28. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--16 years, 80.2 ft$^3$/s, 24.20 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,730 ft$^3$/s Apr. 6, 1983, gage height, 23.24 ft; minimum daily, no flow many days in most years.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 1,700 ft$^3$/s and maximum (*):

| Date | Time | Discharge (ft$^3$/s) | Gage height (ft) | Date | Time | Discharge (ft$^3$/s) | Gage height (ft) |
|---|---|---|---|---|---|---|---|
| Feb. 2 | 0945 | *3,020 | *20.45 | Apr. 2 | 1115 | 2,090 | 18.00 |
| Feb. 18 | 2230 | 2,340 | 18.81 | Sept. 4 | 2315 | 2,540 | 19.33 |

Minimum, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.2 | e.55 | e6.4 | 13 | 934 | 3.7 | 715 | 2.0 | .21 | .41 | e.24 | 3.1 |
| 2 | 1.2 | e.50 | e3.8 | 91 | 2930 | 18 | 1770 | 1.2 | .21 | .28 | e.21 | 11 |
| 3 | 1.2 | e.45 | e2.0 | 32 | 1120 | 593 | 1210 | 1.1 | .21 | .26 | e.19 | 248 |
| 4 | 1.1 | e.40 | e1.3 | 12 | 389 | 409 | 76 | 1.2 | .23 | .29 | e.17 | 1830 |
| 5 | .90 | e.35 | e1.0 | 6.1 | 252 | 109 | 26 | .87 | .30 | .31 | e.45 | 1880 |
| 6 | .75 | e.50 | e.74 | 3.6 | 414 | 26 | 33 | .77 | .63 | .27 | .79 | 118 |
| 7 | .62 | e.72 | e.62 | 175 | 100 | 15 | 38 | .75 | .65 | .40 | .35 | 14 |
| 8 | .49 | 1.2 | e.72 | 179 | 39 | 62 | 14 | .76 | .48 | .80 | .32 | 5.8 |
| 9 | .37 | 3.0 | e.64 | 28 | 25 | 1220 | 9.8 | .86 | .35 | 2.9 | .47 | 3.0 |
| 10 | e.25 | 3.0 | .78 | 14 | 16 | 959 | e7.0 | .98 | .39 | 2.3 | 51 | 287 |
| 11 | e.18 | 2.1 | .90 | 7.4 | 118 | 72 | e5.0 | 1.1 | .48 | 3.7 | 160 | 448 |
| 12 | e.10 | 2.1 | 1.1 | 4.9 | 102 | 26 | e3.5 | 1.1 | .49 | 1.8 | 26 | 36 |
| 13 | e.06 | e1.8 | .91 | 8.0 | 31 | 17 | e2.5 | 1.2 | .42 | 1.6 | 8.9 | 13 |
| 14 | e.03 | e4.0 | .99 | 19 | 34 | 10 | e2.0 | 1.2 | .37 | .96 | 4.6 | 6.3 |
| 15 | .00 | e11 | 2.3 | 12 | 636 | 7.2 | e1.5 | 1.3 | .27 | .67 | 3.6 | 4.8 |
| 16 | .00 | e32 | 2.1 | 6.4 | 201 | 5.8 | e1.2 | 1.3 | .27 | .93 | 29 | 686 |
| 17 | .00 | e82 | 1.7 | 4.1 | 32 | 5.0 | e1.0 | 1.3 | .40 | 16 | 17 | 909 |
| 18 | .00 | e27 | 1.5 | 3.8 | 1110 | 104 | 5.8 | 1.3 | .59 | 123 | 37 | 137 |
| 19 | .00 | e7.8 | 1.4 | 28 | 1920 | 56 | 70 | 1.4 | .63 | 20 | 17 | 69 |
| 20 | .01 | e4.0 | 5.8 | 40 | 426 | 20 | 19 | 1.5 | .84 | 8.6 | 5.7 | 28 |
| 21 | .00 | e3.6 | 133 | 22 | 39 | 10 | 8.1 | 2.5 | 1.1 | 11 | 4.7 | 11 |
| 22 | .00 | e2.9 | 228 | 10 | 23 | 7.0 | 3.8 | 10 | .66 | 24 | 48 | 5.4 |
| 23 | .00 | e2.6 | 31 | 5.4 | 15 | 5.7 | 2.4 | 5.6 | .40 | 11 | 17 | 3.1 |
| 24 | .00 | e2.3 | 12 | 3.6 | 12 | 208 | 1.8 | 1.4 | .29 | 1.5 | 5.9 | 2.0 |
| 25 | .07 | e2.0 | 6.4 | 3.1 | 8.7 | 587 | 1.4 | .86 | 5.3 | .80 | 2.4 | 1.5 |
| 26 | e2.0 | e3.0 | 4.3 | 3.2 | 6.8 | 109 | 1.2 | .75 | 4.6 | .59 | 1.3 | 1.3 |
| 27 | e1.3 | e5.0 | 3.1 | 4.6 | 5.9 | 36 | 1.0 | e.60 | 5.1 | 2.7 | .91 | 1.2 |
| 28 | e1.0 | e9.4 | 2.3 | 2.7 | 4.7 | 17 | .96 | e.50 | 1.7 | 1.5 | .64 | e1.1 |
| 29 | e.80 | e17 | 1.5 | 1.9 | 4.3 | 26 | 1.2 | e.40 | .88 | .48 | .45 | e1.0 |
| 30 | e.70 | e11 | 1.2 | 2.0 | --- | 900 | 4.6 | e.32 | .58 | e.31 | .48 | e1.1 |
| 31 | e.60 | --- | 1.2 | 1.7 | --- | 1130 | --- | e.26 | --- | e.27 | .73 | --- |
| TOTAL | 14.93 | 243.27 | 460.70 | 747.5 | 10948.4 | 6773.4 | 4036.76 | 46.38 | 29.03 | 239.63 | 445.50 | 6765.7 |
| MEAN | .48 | 8.11 | 14.9 | 24.1 | 378 | 218 | 135 | 1.50 | .97 | 7.73 | 14.4 | 226 |
| MAX | 2.0 | 82 | 228 | 179 | 2930 | 1220 | 1770 | 10 | 5.3 | 123 | 160 | 1880 |
| MIN | .00 | .35 | .62 | 1.7 | 4.3 | 3.7 | .96 | .26 | .21 | .26 | .17 | 1.0 |
| CFSM | .01 | .18 | .33 | .54 | 8.39 | 4.86 | 2.99 | .03 | .02 | .17 | .32 | 5.01 |
| IN. | .01 | .20 | .38 | .62 | 9.05 | 5.60 | 3.34 | .04 | .02 | .20 | .37 | 5.59 |

CAL YR 1987 TOTAL 34443.82 MEAN 94.4 MAX 2590 MIN .00 CFSM 2.10 IN. 28.47
WTR YR 1988 TOTAL 30751.20 MEAN 84.0 MAX 2930 MIN .00 CFSM 1.87 IN. 25.42

e Estimated.

## 07377782 WHITE BAYOU SOUTHEAST OF ZACHARY, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.91 | --- | --- | 3.54 | 9.48 | 3.28 | 11.35 | 3.09 | 2.42 | 2.55 | --- | 3.22 |
| 2 | 2.90 | --- | --- | 5.69 | 20.27 | 3.54 | 16.68 | 2.90 | 2.42 | 2.47 | --- | 3.42 |
| 3 | 2.90 | --- | --- | 4.32 | 13.16 | 10.63 | 14.05 | 2.86 | 2.42 | 2.46 | --- | 7.61 |
| 4 | 2.94 | --- | --- | 3.67 | 8.98 | 9.15 | 5.30 | 2.92 | 2.43 | 2.48 | --- | 16.12 |
| 5 | 2.92 | --- | --- | 3.42 | 7.55 | 5.73 | 4.16 | 2.79 | 2.48 | 2.49 | --- | 16.96 |
| 6 | 2.93 | --- | --- | 3.27 | 9.19 | 4.15 | 4.30 | 2.74 | 2.67 | 2.46 | 2.73 | 5.56 |
| 7 | 2.93 | --- | --- | 6.12 | 5.76 | 3.79 | 4.49 | 2.73 | 2.68 | 2.53 | 2.51 | 3.74 |
| 8 | 2.94 | 2.91 | --- | 6.70 | 4.55 | 4.70 | 3.74 | 2.74 | 2.59 | 2.75 | 2.50 | 3.40 |
| 9 | 2.94 | 3.16 | --- | 4.22 | 4.12 | 14.48 | 3.59 | 2.78 | 2.51 | 2.90 | 2.58 | 3.23 |
| 10 | 2.94 | 3.22 | 2.75 | 3.73 | 3.82 | 12.94 | --- | 2.83 | 2.54 | 3.09 | 4.62 | 7.18 |
| 11 | 2.97 | 3.12 | 2.80 | 3.48 | 5.66 | 5.20 | --- | 2.87 | 2.59 | 3.20 | 6.69 | 9.42 |
| 12 | 3.03 | 3.12 | 2.86 | 3.36 | 5.77 | 4.15 | --- | 2.89 | 2.59 | 3.05 | 4.12 | 4.42 |
| 13 | 3.06 | --- | 2.80 | 3.51 | 4.32 | 3.82 | --- | 2.92 | 2.56 | 3.02 | 3.55 | 3.71 |
| 14 | 3.08 | --- | 2.83 | 3.91 | 4.11 | 3.62 | --- | 2.92 | 2.53 | 2.82 | 3.33 | 3.43 |
| 15 | 3.09 | --- | 3.15 | 3.66 | 10.92 | 3.47 | --- | 2.93 | 2.46 | 2.69 | 3.22 | 3.35 |
| 16 | 3.09 | --- | 3.11 | 3.43 | 6.82 | 3.40 | --- | 2.93 | 2.46 | 2.81 | 4.19 | 9.63 |
| 17 | 3.10 | --- | 3.05 | 3.31 | 4.35 | 3.36 | --- | 2.95 | 2.55 | 3.35 | 3.83 | 12.70 |
| 18 | 3.11 | --- | 2.99 | 3.29 | 12.06 | 5.78 | 3.40 | 2.95 | 2.65 | 6.10 | 4.49 | 5.87 |
| 19 | 3.12 | --- | 2.97 | 4.08 | 17.36 | 4.92 | 5.25 | 2.97 | 2.67 | 3.95 | 3.82 | 5.24 |
| 20 | 3.14 | --- | 3.39 | 4.57 | 8.69 | 3.93 | 3.92 | 3.00 | 2.78 | 3.52 | 3.39 | 4.21 |
| 21 | 3.15 | --- | 5.86 | 4.02 | 4.55 | 3.62 | 3.52 | 3.14 | 2.88 | 3.57 | 3.29 | 3.62 |
| 22 | 3.16 | --- | 7.28 | 3.60 | 4.03 | 3.47 | 3.29 | 3.52 | 2.68 | 3.97 | 4.67 | 3.38 |
| 23 | 3.17 | --- | 4.28 | 3.38 | 3.79 | 3.40 | 3.16 | 3.37 | 2.54 | 3.58 | 3.85 | 3.23 |
| 24 | 3.18 | --- | 3.67 | 3.28 | 3.66 | 5.56 | 3.07 | 2.97 | 2.48 | 2.99 | 3.41 | 3.10 |
| 25 | 3.19 | --- | 3.43 | 3.24 | 3.55 | 10.36 | 2.98 | 2.79 | 2.95 | 2.75 | 3.15 | 2.99 |
| 26 | 3.31 | --- | 3.32 | 3.22 | 3.45 | 5.92 | 2.91 | 2.73 | 3.29 | 2.65 | 2.95 | 2.93 |
| 27 | 3.08 | --- | 3.23 | 3.34 | 3.41 | 4.47 | 2.86 | --- | 3.35 | 2.91 | 2.81 | 2.91 |
| 28 | --- | --- | 3.14 | 3.19 | 3.35 | 3.85 | 2.82 | --- | 3.04 | 2.93 | 2.68 | --- |
| 29 | 2.92 | --- | 3.01 | 3.08 | 3.32 | 3.88 | 2.85 | --- | 2.79 | 2.59 | 2.57 | --- |
| 30 | 2.91 | --- | 2.90 | 3.10 | --- | 12.46 | 3.34 | --- | 2.64 | --- | 2.59 | --- |
| 31 | --- | --- | 2.90 | 3.05 | --- | 14.08 | --- | --- | --- | --- | 2.66 | --- |
| MAX | 3.31 | --- | 7.28 | 6.70 | 20.27 | 14.48 | 16.28 | 3.52 | 3.35 | 6.10 | 6.69 | 16.96 |
| MIN | --- | --- | --- | 3.05 | 3.32 | 3.28 | --- | --- | 2.42 | --- | --- | --- |

## 07378000 COMITE RIVER NEAR COMITE, LA

LOCATION.--Lat 30°30'45", long 91°04'25", on line between sections 24 and 44, T.6 S., R.1 E., St. Helena meridian, East Baton Rouge Parish, Hydrologic Unit 08070202, near left bank on downstream side of bridge on State Highway 946, 0.5 mi downstream from Blackwater Bayou, and 2.6 mi west of Comite.

DRAINAGE AREA.--284 mi².

PERIOD OF RECORD.--March 1944 to current year.

REVISED RECORDS.--WSP 1920: Drainage area. WRD LA 85-1: 1984.

GAGE.--Water-stage recorder. Datum of gage is 23.85 ft above National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development). Prior to Apr. 22, 1946, nonrecording gage at same site. Prior to Oct. 1, 1962, at datum 5.00 ft higher. Prior to Oct. 1, 1978, at datum 2.00 ft higher.

REMARKS.--Estimated daily discharges. Records fair. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--44 years, 473 ft³/s, 22.62 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,000 ft³/s Apr. 7, 1983; maximum gage height, 30.64 ft May 19, 1953, present datum (prior to dredging August 1961); minimum discharge, 28 ft³/s Aug. 1, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 8,000 ft³/s and maximum (*):

| Date | Time | Discharge (ft³/s) | Gage height (ft) | Date | Time | Discharge (ft³/s) | Gage height (ft) |
|---|---|---|---|---|---|---|---|
| Feb. 2 | 1000 | 14,400 | 20.02 | Apr. 3 | 1230 | *18,800 | *22.59 |
| Feb. 18 | 1230 | 15,400 | 20.69 | Sept. 4 | 2200 | 13,700 | 19.61 |
| Mar. 21 | 0830 | 9,610 | 16.69 | | | | |

Minimum discharge, 43 ft ³/s June 17, 18, July 17; minimum gage height, 0.89 ft Sept. 29, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 64 | 65 | 77 | 107 | 1250 | 106 | e6700 | 87 | 51 | 51 | 104 | 150 |
| 2 | 66 | 65 | 71 | 227 | 11200 | 2340 | e11100 | 78 | 64 | 48 | 111 | 246 |
| 3 | 66 | 64 | 70 | 203 | 5500 | 3030 | e14800 | 73 | 50 | 46 | 109 | 484 |
| 4 | 66 | 63 | 68 | 144 | 2760 | 2040 | e5500 | 69 | 50 | 55 | 106 | e7500 |
| 5 | 67 | 63 | 68 | 108 | 1490 | 586 | 1700 | 67 | 56 | 55 | 225 | e10200 |
| 6 | 67 | 62 | 68 | 95 | 2160 | 276 | 703 | 65 | 57 | 186 | 238 | e4400 |
| 7 | 66 | 62 | 71 | 497 | 987 | 206 | 497 | 64 | 57 | 169 | 122 | 539 |
| 8 | 66 | 62 | 71 | 678 | 407 | 2610 | 365 | 63 | 53 | 83 | 104 | 228 |
| 9 | 65 | 68 | 69 | 331 | 262 | 6090 | 288 | 63 | 51 | 54 | 116 | 159 |
| 10 | 65 | 70 | 68 | 169 | 199 | 2370 | 244 | 62 | 50 | 69 | 609 | 1260 |
| 11 | 65 | 68 | 67 | 128 | 493 | 558 | 213 | 63 | 49 | 85 | 567 | 2820 |
| 12 | 64 | 71 | 67 | 111 | 505 | 287 | 188 | 63 | 49 | 56 | 499 | 688 |
| 13 | 64 | 67 | 67 | 131 | 240 | 200 | 173 | 62 | 48 | 55 | 259 | 254 |
| 14 | 64 | 66 | 68 | 137 | 1760 | 153 | 159 | 60 | 47 | 52 | 190 | 161 |
| 15 | 64 | 63 | 70 | 133 | 2380 | 125 | 147 | 60 | 47 | 52 | 136 | 130 |
| 16 | 65 | 457 | 69 | 110 | 1070 | 111 | 139 | 59 | 45 | 46 | 129 | 1550 |
| 17 | 64 | 730 | 71 | 101 | 1850 | 238 | 132 | 59 | 44 | 45 | 121 | 3300 |
| 18 | 65 | 310 | 71 | 95 | e12000 | 541 | 183 | 58 | 47 | 180 | 256 | 654 |
| 19 | 65 | 148 | 70 | 782 | e7700 | 251 | 203 | 57 | 48 | 121 | 214 | 298 |
| 20 | 64 | 98 | 89 | 924 | 2880 | e200 | 206 | 55 | 119 | 87 | 203 | 162 |
| 21 | 65 | 83 | 485 | 434 | 706 | e150 | 141 | 68 | 102 | 72 | 292 | 123 |
| 22 | 63 | 79 | 833 | 187 | 357 | e120 | 118 | 77 | 77 | 211 | 261 | 105 |
| 23 | 63 | 75 | 362 | 132 | 263 | e125 | 113 | 76 | 60 | 365 | 202 | 93 |
| 24 | 63 | 72 | 165 | 115 | 205 | e150 | 107 | 63 | 51 | 152 | 168 | 86 |
| 25 | 63 | 70 | 118 | 113 | 172 | e500 | 100 | 60 | 98 | 117 | 137 | 83 |
| 26 | 82 | 69 | 102 | 122 | 148 | e1000 | 93 | 55 | 131 | 114 | 130 | 80 |
| 27 | 91 | 69 | 100 | 111 | 133 | e500 | 88 | 53 | 113 | 108 | 116 | 78 |
| 28 | 77 | 84 | 97 | 98 | 122 | e250 | 83 | 52 | 85 | 118 | 108 | 77 |
| 29 | 74 | 83 | 101 | 92 | 114 | e200 | 85 | 52 | 57 | 108 | 119 | 76 |
| 30 | 68 | 94 | 91 | 88 | --- | e1000 | 113 | 52 | 53 | 104 | 131 | 79 |
| 31 | 66 | --- | 89 | 88 | --- | e5000 | --- | 51 | --- | 103 | 136 | --- |
| TOTAL | 2077 | 3500 | 3953 | 6791 | 59313 | 31313 | 44681 | 1946 | 1909 | 3167 | 6218 | 36063 |
| MEAN | 67.0 | 117 | 128 | 219 | 2045 | 1010 | 1489 | 62.8 | 63.6 | 102 | 201 | 1202 |
| MAX | 91 | 730 | 833 | 924 | 12000 | 6090 | 14800 | 87 | 131 | 365 | 609 | 10200 |
| MIN | 63 | 62 | 67 | 88 | 114 | 106 | 83 | 51 | 44 | 45 | 104 | 76 |
| CFSM | .24 | .41 | .45 | .77 | 7.20 | 3.56 | 5.24 | .22 | .22 | .36 | .71 | 4.23 |
| IN. | .27 | .46 | .52 | .89 | 7.77 | 4.10 | 5.85 | .25 | .25 | .41 | .81 | 4.72 |

| | | | | | | |
|---|---|---|---|---|---|---|
| CAL YR 1987 | TOTAL 208562 | MEAN 571 | MAX 9510 | MIN 62 | CFSM 2.01 | IN. 27.32 |
| WTR YR 1988 | TOTAL 200931 | MEAN 549 | MAX 14800 | MIN 44 | CFSM 1.93 | IN. 26.32 |

e Estimated.

## 07378000 COMITE RIVER NEAR COMITE, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.12 | 1.13 | 1.26 | 1.54 | 5.61 | 1.53 | 14.82 | 1.59 | 1.21 | 1.22 | 1.17 | 1.57 |
| 2 | 1.13 | 1.13 | 1.20 | 2.37 | 19.30 | 7.36 | 19.02 | 1.51 | 1.35 | 1.18 | 1.23 | 2.21 |
| 3 | 1.14 | 1.12 | 1.18 | 2.23 | 13.22 | 9.33 | 21.80 | 1.46 | 1.20 | 1.15 | 1.21 | 3.42 |
| 4 | 1.14 | 1.10 | 1.17 | 1.84 | 8.92 | 7.56 | 13.82 | 1.42 | 1.20 | 1.25 | 1.19 | 14.53 |
| 5 | 1.16 | 1.10 | 1.16 | 1.55 | 6.43 | 3.90 | 6.83 | 1.40 | 1.27 | 1.27 | 1.89 | 18.47 |
| 6 | 1.15 | 1.09 | 1.16 | 1.44 | 7.83 | 2.63 | 4.34 | 1.38 | 1.28 | 2.13 | 2.16 | 11.21 |
| 7 | 1.14 | 1.09 | 1.20 | 3.27 | 5.12 | 2.24 | 3.62 | 1.37 | 1.28 | 2.16 | 1.33 | 3.61 |
| 8 | 1.13 | 1.09 | 1.19 | 4.26 | 3.25 | 7.92 | 3.12 | 1.35 | 1.24 | 1.54 | 1.16 | 2.14 |
| 9 | 1.13 | 1.16 | 1.18 | 2.88 | 2.56 | 13.51 | 2.79 | 1.35 | 1.21 | 1.25 | 1.27 | 1.65 |
| 10 | 1.13 | 1.18 | 1.16 | 2.01 | 2.20 | 8.09 | 2.58 | 1.35 | 1.21 | 1.39 | 3.81 | 4.90 |
| 11 | 1.13 | 1.16 | 1.16 | 1.71 | 3.59 | 3.81 | 2.42 | 1.35 | 1.19 | 1.56 | 3.73 | 8.96 |
| 12 | 1.12 | 1.20 | 1.15 | 1.57 | 3.63 | 2.69 | 2.28 | 1.35 | 1.18 | 1.27 | 3.51 | 4.17 |
| 13 | 1.11 | 1.15 | 1.15 | 1.73 | 2.44 | 2.21 | 2.19 | 1.34 | 1.17 | 1.25 | 2.34 | 2.30 |
| 14 | 1.11 | 1.14 | 1.16 | 1.78 | 6.40 | 1.90 | 2.11 | 1.32 | 1.15 | 1.22 | 1.88 | 1.66 |
| 15 | 1.11 | 1.11 | 1.19 | 1.75 | 8.22 | 1.69 | 2.03 | 1.32 | 1.15 | 1.22 | 1.46 | 1.40 |
| 16 | 1.12 | 2.66 | 1.18 | 1.57 | 5.36 | 1.58 | 1.98 | 1.31 | 1.13 | 1.14 | 1.40 | 5.46 |
| 17 | 1.12 | 4.33 | 1.20 | 1.49 | 5.92 | 2.36 | 1.93 | 1.31 | 1.12 | 1.12 | 1.32 | 9.75 |
| 18 | 1.13 | 2.80 | 1.20 | 1.44 | 19.85 | 3.79 | 2.24 | 1.30 | 1.15 | 2.22 | 2.23 | 4.07 |
| 19 | 1.12 | 1.85 | 1.19 | 3.72 | 16.04 | 2.46 | 2.37 | 1.29 | 1.18 | 1.84 | 2.03 | 2.55 |
| 20 | 1.12 | 1.46 | 1.37 | 4.91 | 8.96 | --- | 2.38 | 1.25 | 1.82 | 1.57 | 1.97 | 1.67 |
| 21 | 1.12 | 1.33 | 3.38 | 3.33 | 4.33 | --- | 1.99 | 1.40 | 1.70 | 1.44 | 2.23 | 1.34 |
| 22 | 1.11 | 1.28 | 4.74 | 2.13 | 3.03 | --- | 1.83 | 1.50 | 1.48 | 2.28 | 2.33 | 1.17 |
| 23 | 1.11 | 1.24 | 3.02 | 1.75 | 2.57 | --- | 1.79 | 1.48 | 1.32 | 2.91 | 1.95 | 1.07 |
| 24 | 1.11 | 1.21 | 1.98 | 1.61 | 2.25 | --- | 1.74 | 1.36 | 1.21 | 1.59 | 1.69 | 1.01 |
| 25 | 1.10 | 1.19 | 1.64 | 1.60 | 2.03 | --- | 1.69 | 1.32 | 1.58 | 1.29 | 1.46 | .97 |
| 26 | 1.30 | 1.17 | 1.50 | 1.66 | 1.87 | --- | 1.64 | 1.26 | 1.92 | 1.26 | 1.41 | .94 |
| 27 | 1.39 | 1.18 | 1.48 | 1.57 | 1.76 | --- | 1.60 | 1.24 | 1.79 | 1.20 | 1.28 | .93 |
| 28 | 1.26 | 1.33 | 1.46 | 1.47 | 1.67 | --- | 1.55 | 1.23 | 1.55 | 1.29 | 1.20 | .91 |
| 29 | 1.23 | 1.32 | 1.49 | 1.41 | 1.60 | --- | 1.56 | 1.22 | 1.28 | 1.20 | 1.30 | .90 |
| 30 | 1.16 | 1.43 | 1.40 | 1.38 | --- | --- | 1.79 | 1.23 | 1.24 | 1.17 | 1.42 | .93 |
| 31 | 1.14 | --- | 1.39 | 1.37 | --- | --- | --- | 1.22 | --- | 1.16 | 1.45 | --- |
| MAX | 1.39 | 4.33 | 4.74 | 4.91 | 19.85 | 13.51 | 21.80 | 1.59 | 1.92 | 2.91 | 3.81 | 18.47 |
| MIN | 1.10 | 1.09 | 1.15 | 1.37 | 1.60 | 1.53 | 1.55 | 1.22 | 1.12 | 1.12 | 1.16 | .90 |

## 07378050 COMITE RIVER AT GREENWELL SPRINGS ROAD, NEAR BATON ROUGE, LA

LOCATION.--Lat 30°30'20", long 90°02'24", on line between secs.51 and 52, T.6 S., R.2 E., East Baton Rouge Parish, Hydrologic Unit 08070202, at bridge on Greenwell Springs Road, 2.9 mi downstream from gaging station Comite River near Comite (station 07378000), 5.0 mi northeast of Baton Rouge city limits, and 9.4 mi northeast of Baton Rouge Post Office.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--Annual maximum elevation, water years 1962-81. October 1981 to current year (elevations only).

GAGE.--Water-stage recorder. Datum is National Geodetic Vertical Datum of 1929. Nonrecording gage at same site and datum.

REMARKS.--No elevations recorded below lowest recordable elevation of 20.06 ft, Nov. 5-16, Nov. 19 to Dec. 21, Dec. 24 to Jan. 1, Jan. 4-7, 10-19, and Jan. 25 to Feb. 1.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 49.42 ft Apr. 7, 1983, from floodmark; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum and minimum elevation not determined.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
INSTANTANEOUS OBSERVATIONS AT 0800

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | --- | --- | | | | --- | --- | --- | --- | --- | --- | --- |
| 2 | --- | --- | | 20.56 | 37.93 | --- | --- | --- | --- | --- | --- | --- |
| 3 | --- | --- | | 20.26 | 33.86 | --- | --- | --- | --- | --- | --- | --- |
| 4 | --- | --- | | | 29.94 | --- | --- | --- | --- | --- | --- | --- |
| 5 | --- | | | | 27.30 | --- | 29.91 | --- | --- | --- | --- | --- |
| 6 | --- | | | | 27.84 | --- | 25.83 | --- | 24.87 | --- | --- | --- |
| 7 | --- | | | 22.36 | 25.44 | --- | --- | --- | 23.54 | --- | --- | --- |
| 8 | --- | | | 22.85 | 22.51 | --- | --- | --- | 23.54 | --- | --- | --- |
| 9 | --- | | | 21.15 | --- | --- | --- | --- | 22.00 | --- | --- | --- |
| 10 | --- | | | | --- | --- | --- | --- | --- | --- | 23.47 | --- |
| 11 | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | | | | 22.53 | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | | | | 21.95 | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | | | | 29.13 | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 17 | --- | 23.60 | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 18 | --- | 21.12 | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 19 | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 20 | --- | | | 24.06 | --- | --- | --- | --- | --- | --- | --- | --- |
| 21 | --- | | 22.29 | 21.73 | --- | --- | --- | --- | --- | --- | --- | --- |
| 22 | --- | | 23.46 | 20.24 | --- | --- | --- | --- | --- | --- | --- | --- |
| 23 | --- | | 21.44 | 20.11 | --- | --- | --- | --- | --- | --- | --- | --- |
| 24 | --- | | | 20.07 | --- | --- | --- | --- | --- | --- | --- | --- |
| 25 | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 26 | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 27 | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 28 | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 29 | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 30 | --- | | | | --- | --- | --- | --- | --- | --- | --- | --- |
| 31 | --- | --- | | | --- | --- | --- | --- | --- | --- | --- | --- |
| MAX | --- | --- | | | --- | --- | --- | --- | --- | --- | --- | --- |
| MIN | --- | --- | | | --- | --- | --- | --- | --- | --- | --- | --- |

## 07378083 BEAVER BAYOU AT HOOPER ROAD, NEAR BATON ROUGE, LA

LOCATION.--Lat 30°33'39", long 91°01'15", in sec.4, T.6 S., R.2 E., St. Helena meridian, East Baton Rouge Parish, Hydrologic Unit 08070207, near center of box culvert on downstream side of State Highway 408, 1,200 ft east of Roundsville Road, and 8.6 mi northeast of Baton Rouge Post Office.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--March 1982 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 50.00 ft above National Geodetic Vertical Datum of 1929 (levels by East Baton Rouge Parish, Department of Public Works).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 11.98 ft Apr. 6, 1983; minimum, 2.82 ft June 6, 1985 and June 16, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum gage height recorded, 11.45 ft Feb. 18; minimum 2.82 ft June 16.

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.87 | 2.92 | 2.96 | 3.56 | 5.37 | 3.13 | 4.82 | 3.07 | 2.88 | 2.90 | --- | 3.24 |
| 2 | 2.90 | 2.91 | 2.95 | 3.89 | 7.32 | 3.25 | 9.35 | 2.98 | 2.88 | 2.89 | --- | 3.68 |
| 3 | 2.90 | 2.94 | 2.95 | 3.42 | 4.39 | 7.80 | 4.56 | 2.95 | 2.88 | 2.88 | --- | 4.62 |
| 4 | 2.88 | 2.92 | 2.91 | 3.24 | 4.81 | 5.21 | 3.77 | 2.93 | 2.90 | 2.98 | --- | 9.63 |
| 5 | 2.89 | 2.93 | 2.91 | 3.13 | 5.16 | 3.80 | 3.49 | 2.91 | 2.91 | 3.04 | --- | 6.87 |
| 6 | 2.91 | 2.91 | 2.93 | 3.07 | 5.02 | 3.47 | 3.36 | 2.90 | 2.91 | 3.11 | --- | 4.08 |
| 7 | 2.88 | 2.92 | 3.03 | 4.99 | 4.11 | 3.31 | 3.22 | 2.91 | 2.90 | 3.61 | --- | 3.59 |
| 8 | 2.87 | 2.93 | 3.03 | 4.25 | 3.73 | 4.20 | 3.20 | 2.90 | 2.89 | 3.09 | --- | 3.37 |
| 9 | 2.87 | 3.02 | 2.97 | 3.57 | 3.52 | 7.00 | 3.16 | 2.91 | 2.89 | 2.98 | --- | 3.24 |
| 10 | 2.88 | 3.00 | 2.95 | 3.33 | 3.36 | 4.34 | 3.10 | 2.90 | 2.87 | 2.97 | --- | 5.69 |
| 11 | 2.87 | 2.97 | 2.94 | 3.20 | 3.89 | 3.65 | 3.05 | 2.90 | 2.86 | 3.01 | --- | 4.54 |
| 12 | 2.88 | 2.95 | 2.93 | 3.12 | 3.67 | 3.43 | 3.02 | 2.89 | 2.86 | 3.12 | --- | 3.69 |
| 13 | 2.89 | 2.94 | 2.93 | 3.52 | 3.50 | 3.30 | 2.99 | 2.89 | 2.86 | 3.03 | --- | 3.35 |
| 14 | 2.88 | 2.94 | 2.93 | 3.37 | 3.42 | 3.20 | 2.96 | 2.88 | 2.85 | 2.95 | --- | 3.21 |
| 15 | 2.88 | 2.94 | 2.95 | 3.21 | 6.51 | 3.12 | 2.95 | 2.88 | 2.84 | 2.95 | --- | 3.49 |
| 16 | 2.88 | 4.51 | 2.94 | 3.14 | 3.96 | 3.08 | 2.95 | 2.87 | 2.84 | 3.09 | --- | 6.54 |
| 17 | 2.89 | 5.22 | 2.93 | 3.16 | 3.62 | 3.07 | 2.95 | 2.87 | 2.84 | 3.37 | --- | 5.27 |
| 18 | 2.89 | 3.52 | 2.92 | 3.14 | 8.49 | 4.05 | 3.61 | 2.87 | 2.85 | 4.07 | --- | 4.22 |
| 19 | 2.89 | 3.21 | 2.93 | 5.65 | 8.14 | 3.57 | 3.48 | 2.87 | 2.87 | 3.63 | 4.65 | 3.57 |
| 20 | 2.89 | 3.08 | 3.20 | 5.28 | 4.17 | 3.28 | 3.14 | 2.86 | 2.88 | 3.40 | 4.18 | 3.30 |
| 21 | 2.91 | 3.02 | 4.96 | 3.80 | 3.71 | 3.15 | 3.02 | 3.03 | 3.36 | 3.62 | 3.58 | 3.15 |
| 22 | 2.91 | 3.01 | 4.38 | 3.44 | 3.48 | 3.08 | 2.99 | 3.17 | 3.35 | 3.73 | 4.16 | 3.07 |
| 23 | 2.91 | 2.96 | 3.56 | 3.27 | 3.38 | 3.04 | 3.00 | 3.08 | 3.55 | 3.82 | 3.45 | 3.02 |
| 24 | 2.92 | 2.94 | 3.33 | 3.23 | 3.39 | 3.06 | 2.98 | 2.95 | 3.08 | 3.31 | 3.16 | 2.99 |
| 25 | 2.93 | 2.94 | 3.22 | 3.25 | 3.28 | 4.54 | 2.97 | 3.08 | 4.03 | 3.06 | 3.07 | 3.30 |
| 26 | 3.17 | 2.94 | 3.14 | 3.15 | 3.22 | 3.58 | 2.95 | 2.95 | 4.31 | 3.01 | 3.01 | 3.09 |
| 27 | 3.22 | 2.95 | 3.10 | 3.10 | 3.19 | 3.27 | 2.94 | 2.92 | 3.38 | 2.99 | 2.97 | 2.97 |
| 28 | 3.00 | 3.07 | 3.06 | 3.04 | 3.17 | 3.10 | 2.90 | 2.90 | 3.08 | 2.96 | 2.94 | 2.95 |
| 29 | 2.95 | 3.01 | 3.07 | 3.04 | 3.15 | 3.04 | 2.94 | 2.90 | 2.98 | 2.95 | 3.03 | 2.94 |
| 30 | 2.93 | 2.97 | 3.08 | 3.05 | --- | 8.15 | 3.35 | 2.89 | 2.94 | 2.93 | 3.94 | 3.19 |
| 31 | 2.92 | --- | 3.10 | 3.02 | --- | 8.25 | --- | 2.89 | --- | 2.91 | 3.48 | --- |
| MAX | 3.22 | 5.22 | 4.96 | 5.65 | 8.49 | 8.25 | 9.35 | 3.17 | 4.31 | 4.07 | --- | 9.63 |
| MIN | 2.87 | 2.91 | 2.91 | 3.02 | 3.15 | 3.04 | 2.90 | 2.86 | 2.84 | 2.88 | --- | 2.94 |

## 07378500 AMITE RIVER NEAR DENHAM SPRINGS, LA

LOCATION.--Lat 30°27'50", long 90°59'25", in lot 2, T.7 S., R.2 E., St. Helena meridian, East Baton Rouge-Livingston Parish line, Hydrologic Unit 08070202, on downstream side of bridge on U.S. Highway 190, 1,000 ft downstream from Comite River, 2.3 mi southwest of town of Denham Springs, and 15 mi east of Baton Rouge.

DRAINAGE AREA.--1,280 mi².

PERIOD OF RECORD.--September 1938 to current year.

REVISED RECORDS.--WSP 1920: Drainage area.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is National Geodetic Vertical Datum of 1929. Sept. 1, 1938, to Aug. 8, 1939, nonrecording gage at same site. Prior to Oct. 1, 1977, at datum 3.87 ft higher. Water-stage recorder for Amite River at 4-H Camp, near Denham Springs (station 07378510) used as auxiliary gage for this station from October 1945 to September 1983.

REMARKS.--Records good, except for period of missing record, which is fair. Since 1957, considerable flow from 46 mi² diverted from basin. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--50 years, 2,038 ft³/s, 21.62 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 112,000 ft³/s Apr. 8, 1983, elevation, 41.50 ft from floodmark, present datum; minimum daily discharge, 271 ft³/s Oct. 17, 18, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 12,000 ft³/s and maximum (*)

| Date | Time | Discharge (ft³/s) | Elevation (ft) | Date | Time | Discharge (ft³/s) | Elevation (ft) |
|---|---|---|---|---|---|---|---|
| Feb. 3 | 1200 | 19,400 | 27.78 | Apr. 4 | 0300 | *41,300 | *32.01 |
| Feb. 20 | 0700 | 28,900 | 29.77 | Sept. 6 | 0130 | 19,000 | 27.68 |
| Mar. 10 | 1930 | 12,600 | 25.63 | | | | |

Minimum discharge, 382 ft³/s Oct. 22, 23, elevation, 10.59 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 442 | 404 | 546 | 667 | 1970 | 1220 | 21200 | 981 | 692 | 647 | 593 | 804 |
| 2 | 440 | 402 | 509 | 896 | 12700 | 1170 | 26500 | 957 | 699 | 620 | 610 | 945 |
| 3 | e430 | 399 | 495 | 855 | 18500 | 5840 | 35600 | 943 | 671 | 611 | 593 | 1200 |
| 4 | e420 | 399 | 489 | 790 | 14200 | 8870 | 37900 | 931 | 676 | 640 | 633 | 6980 |
| 5 | e410 | 395 | 483 | 677 | 10200 | 7950 | 22200 | 921 | 708 | 914 | 763 | 16600 |
| 6 | e415 | 389 | 484 | 614 | 8670 | 5150 | 10700 | 912 | 730 | 1560 | 1090 | 16900 |
| 7 | e420 | 387 | 502 | 1130 | 7240 | 2870 | 4630 | 903 | 737 | 2270 | 684 | 8480 |
| 8 | e415 | 388 | 502 | 1970 | 3950 | 2310 | 2780 | 886 | 690 | 1500 | 662 | 2660 |
| 9 | e415 | 417 | 494 | 1390 | 2350 | 6200 | 2290 | 861 | 669 | 1030 | 629 | 1400 |
| 10 | e410 | 419 | 486 | 988 | 1830 | 11800 | 2000 | 851 | 654 | 868 | 1660 | 2170 |
| 11 | e405 | 405 | 481 | 811 | 1690 | 11300 | 1800 | 840 | 634 | 846 | 1500 | 5850 |
| 12 | e405 | 413 | 480 | 704 | 2480 | 6600 | 1640 | 828 | 620 | 787 | 1440 | 4280 |
| 13 | e410 | 412 | 478 | 705 | 2450 | 3060 | 1530 | e825 | 610 | 743 | 1060 | 1980 |
| 14 | e410 | 403 | 478 | 704 | 1810 | 2100 | 1440 | e820 | 601 | 725 | 864 | 1390 |
| 15 | e405 | 404 | 479 | 705 | 5160 | 1740 | 1350 | e810 | 593 | 726 | 723 | 1450 |
| 16 | e405 | 936 | 475 | 659 | 8870 | 1520 | 1290 | e800 | 586 | 704 | 658 | 2710 |
| 17 | e410 | 2380 | 475 | 641 | 8710 | 1370 | 1240 | e790 | 582 | 663 | 638 | 6260 |
| 18 | e410 | 1280 | 482 | 621 | 9010 | 1680 | 1300 | e780 | 584 | 819 | 1020 | 3900 |
| 19 | e405 | 971 | 475 | 1290 | 21400 | 2420 | 1350 | e770 | 628 | 885 | 1130 | 1870 |
| 20 | e400 | 708 | 532 | 3610 | 26600 | 2210 | 1470 | e760 | 764 | 881 | 933 | 1270 |
| 21 | e395 | 600 | 1060 | 2960 | 17300 | 1720 | 1520 | e755 | 844 | 762 | 1170 | 1070 |
| 22 | 385 | 553 | 1910 | 1730 | 9580 | 1440 | 1330 | 862 | 849 | 1190 | 1680 | 974 |
| 23 | 384 | 527 | 1490 | 1100 | 3970 | 1270 | 1200 | 918 | 857 | 1180 | 944 | 910 |
| 24 | 387 | 507 | 991 | 849 | 2400 | 1180 | 1150 | 824 | 787 | 868 | 750 | 860 |
| 25 | 389 | 498 | 783 | 761 | 2000 | 2840 | 1090 | e800 | 782 | 735 | 767 | 819 |
| 26 | 451 | 493 | 683 | 728 | 1730 | 3390 | 1050 | e780 | 967 | 679 | 642 | 780 |
| 27 | 496 | 491 | 640 | 690 | 1530 | 6880 | 1020 | e760 | 993 | 652 | 615 | 749 |
| 28 | 451 | 542 | 632 | 632 | 1400 | 9170 | 993 | e740 | 900 | 660 | 594 | 726 |
| 29 | 446 | 534 | 725 | 594 | 1300 | 6430 | 974 | e720 | 744 | 634 | 751 | 704 |
| 30 | 421 | 578 | 661 | 572 | --- | 5990 | 1040 | e710 | 685 | 608 | 974 | 721 |
| 31 | 408 | --- | 622 | 562 | --- | 15100 | --- | e695 | --- | 596 | 955 | --- |
| TOTAL | 12895 | 17634 | 20022 | 31605 | 211000 | 142790 | 191577 | 25733 | 21536 | 27003 | 27725 | 97412 |
| MEAN | 416 | 588 | 646 | 1020 | 7276 | 4606 | 6386 | 830 | 718 | 871 | 894 | 3247 |
| MAX | 496 | 2380 | 1910 | 3610 | 26600 | 15100 | 37900 | 981 | 993 | 2270 | 1680 | 16900 |
| MIN | 384 | 387 | 475 | 562 | 1300 | 1170 | 974 | 695 | 582 | 596 | 593 | 704 |
| CFSM | .32 | .46 | .50 | .80 | 5.68 | 3.60 | 4.99 | .65 | .56 | .68 | .70 | 2.54 |
| IN. | .37 | .51 | .58 | .92 | 6.13 | 4.15 | 5.57 | .75 | .63 | .78 | .81 | 2.83 |

| | | | | | | |
|---|---|---|---|---|---|---|
| CAL YR 1987 | TOTAL 968320 | MEAN 2653 | MAX 29900 | MIN 384 | CFSM 2.07 | IN. 28.14 |
| WTR YR 1988 | TOTAL 826932 | MEAN 2259 | MAX 37900 | MIN 384 | CFSM 1.77 | IN. 24.03 |

e Estimated.

## 07378500 AMITE RIVER NEAR DENHAM SPRINGS, LA--CONTINUED

### ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10.85 | 10.69 | 10.99 | 11.39 | 14.09 | 13.17 | 28.21 | 12.24 | 11.32 | 11.11 | 10.89 | 11.65 |
| 2 | 10.85 | 10.68 | 10.87 | 12.10 | 25.47 | 13.05 | 29.31 | 12.16 | 11.34 | 11.03 | 10.95 | 12.06 |
| 3 | --- | 10.67 | 10.82 | 11.98 | 27.55 | 20.98 | 30.99 | 12.12 | 11.25 | 11.00 | 10.90 | 12.81 |
| 4 | --- | 10.67 | 10.81 | 11.78 | 26.23 | 23.60 | 31.42 | 12.08 | 11.26 | 11.09 | 11.03 | 20.62 |
| 5 | --- | 10.65 | 10.79 | 11.42 | 24.40 | 22.97 | 28.35 | 12.06 | 11.36 | 11.95 | 11.41 | 27.01 |
| 6 | --- | 10.62 | 10.79 | 11.22 | 23.47 | 20.36 | 24.55 | 12.03 | 11.43 | 13.66 | 12.39 | 27.10 |
| 7 | --- | 10.61 | 10.85 | 12.59 | 22.43 | 16.68 | 19.60 | 11.99 | 11.46 | 15.34 | 11.20 | 23.09 |
| 8 | --- | 10.62 | 10.85 | 14.73 | 18.59 | 15.56 | 16.49 | 11.94 | 11.30 | 13.52 | 11.13 | 16.12 |
| 9 | --- | 10.74 | 10.82 | 13.41 | 15.64 | 21.02 | 15.42 | 11.86 | 11.23 | 12.30 | 11.02 | 13.35 |
| 10 | --- | 10.75 | 10.79 | 12.38 | 14.54 | 25.26 | 14.77 | 11.83 | 11.18 | 11.80 | 13.87 | 14.96 |
| 11 | --- | 10.69 | 10.78 | 11.84 | 14.24 | 25.01 | 14.28 | 11.80 | 11.12 | 11.73 | 13.52 | 21.28 |
| 12 | --- | 10.73 | 10.78 | 11.51 | 15.91 | 21.74 | 13.92 | 11.76 | 11.07 | 11.54 | 13.37 | 19.09 |
| 13 | --- | 10.72 | 10.77 | 11.51 | 15.85 | 17.05 | 13.66 | --- | 11.04 | 11.39 | 12.38 | 14.72 |
| 14 | --- | 10.68 | 10.77 | 11.51 | 14.50 | 15.12 | 13.44 | --- | 11.01 | 11.33 | 11.79 | 13.33 |
| 15 | --- | 10.69 | 10.77 | 11.51 | 20.20 | 14.34 | 13.23 | --- | 10.98 | 11.33 | 11.34 | 13.47 |
| 16 | --- | 12.04 | 10.76 | 11.36 | 23.60 | 13.86 | 13.06 | --- | 10.96 | 11.26 | 11.14 | 16.06 |
| 17 | --- | 15.61 | 10.76 | 11.30 | 23.48 | 13.50 | 12.94 | --- | 10.94 | 11.13 | 11.09 | 21.67 |
| 18 | --- | 13.14 | 10.78 | 11.24 | 23.39 | 14.20 | 13.11 | --- | 10.94 | 11.62 | 12.15 | 18.40 |
| 19 | --- | 12.32 | 10.76 | 12.86 | 28.21 | 15.80 | 13.23 | --- | 11.08 | 11.83 | 12.55 | 14.46 |
| 20 | --- | 11.52 | 10.95 | 18.11 | 29.34 | 15.35 | 13.51 | --- | 11.51 | 11.82 | 12.03 | 13.04 |
| 21 | --- | 11.17 | 12.46 | 16.85 | 27.15 | 14.30 | 13.65 | --- | 11.76 | 11.43 | 12.52 | 12.53 |
| 22 | 10.60 | 11.01 | 14.59 | 14.32 | 23.94 | 13.66 | 13.18 | 11.87 | 11.77 | 12.63 | 13.93 | 12.25 |
| 23 | 10.60 | 10.93 | 13.65 | 12.86 | 18.61 | 13.29 | 12.83 | 12.04 | 11.80 | 12.69 | 12.06 | 12.05 |
| 24 | 10.61 | 10.87 | 12.38 | 12.16 | 15.75 | 13.06 | 12.72 | 11.75 | 11.58 | 11.77 | 11.46 | 11.90 |
| 25 | 10.62 | 10.83 | 11.75 | 11.90 | 14.90 | 16.59 | 12.56 | --- | 11.55 | 11.34 | 11.51 | 11.77 |
| 26 | 10.86 | 10.82 | 11.44 | 11.80 | 14.32 | 17.65 | 12.44 | --- | 12.13 | 11.16 | 11.12 | 11.66 |
| 27 | 11.06 | 10.81 | 11.30 | 11.69 | 13.87 | 22.10 | 12.35 | --- | 12.22 | 11.07 | 11.04 | 11.56 |
| 28 | 10.89 | 10.98 | 11.28 | 11.50 | 13.57 | 23.79 | 12.27 | --- | 11.93 | 11.09 | 10.98 | 11.49 |
| 29 | 10.87 | 10.96 | 11.57 | 11.39 | 13.36 | 21.51 | 12.22 | --- | 11.43 | 11.01 | 11.42 | 11.42 |
| 30 | 10.76 | 11.09 | 11.37 | 11.32 | --- | 20.84 | 12.42 | --- | 11.23 | 10.93 | 12.13 | 11.48 |
| 31 | 10.70 | --- | 11.24 | 11.28 | --- | 26.51 | --- | --- | --- | 10.90 | 12.10 | --- |
| MAX | 11.06 | 15.61 | 14.59 | 18.11 | 29.34 | 26.51 | 31.42 | 12.24 | 12.22 | 15.34 | 13.93 | 27.10 |
| MIN | 10.60 | 10.61 | 10.76 | 11.22 | 13.36 | 13.05 | 12.22 | --- | 10.94 | 10.90 | 10.89 | 11.42 |

## 07380108 BAYOU MANCHAC AT MOUTH, NEAR PORT VINCENT, LA

LOCATION.--Lat 30°20'43", long 90°53'35", in lot 18, T.8 S., R.3 E., Ascension Parish, Hydrologic Unit 08070202, on right bank 100 ft upstream from mouth, 2.6 mi northwest of Port Vincent, and 5.0 mi downstream from Clay Cut Bayou.

DRAINAGE AREA.--153 mi².

PERIOD OF RECORD.--Annual maximum elevation, water years 1972-74, October 1974 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to October 1974 at datum 1.00 ft higher.

REMARKS.--No elevations recorded below lowest recordable elevation of 1.32 ft, Oct. 1-21, Oct. 28 to Nov. 2, Nov. 11-14, Nov. 29 to Dec. 6, Dec. 11-12, 16-20, Dec. 27 to Jan. 2, Jan. 5-6, 9-17, 22-31, Feb. 12-14, Apr. 15-28; May 5-29, June 2-4, 9-12, 17-22, June 27 to July 5, July 14 to Aug. 2, and Aug. 16, 21, 23-27. Elevations affected by tide below about 3.0 ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 18.85 ft Apr. 8, 1983, from floodmark.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 11.82 ft Apr. 4 from flood mark; minimum not determined.

### ELEVATION (FEET NGVD) WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### INSTANTANEOUS OBSERVATIONS AT 0800

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 2.10 | --- | --- | 2.35 | 1.66 | | | 1.80 |
| 2 | | | | | 5.24 | --- | --- | 2.07 | | | | 2.31 |
| 3 | | 1.50 | | 1.51 | 5.68 | --- | --- | 1.87 | | | 1.42 | 2.48 |
| 4 | | 1.79 | | 1.40 | 6.91 | --- | --- | 1.50 | | | 1.61 | 3.23 |
| 5 | | 1.84 | | | 6.72 | --- | --- | | 1.86 | | 1.78 | 4.10 |
| 6 | | 1.75 | | 1.46 | 5.97 | --- | --- | | 2.41 | 1.81 | 1.76 | 4.93 |
| 7 | | 1.86 | 1.62 | 1.76 | 4.91 | --- | --- | | 2.26 | 2.39 | 1.64 | 5.18 |
| 8 | | 2.02 | 2.00 | 1.52 | 3.91 | --- | --- | | 1.64 | 2.43 | 1.71 | 3.68 |
| 9 | | 2.20 | 1.99 | | 2.28 | --- | --- | | | 2.38 | 2.51 | 2.78 |
| 10 | | 1.70 | 1.66 | | 1.42 | --- | --- | | | 2.26 | 3.19 | 3.23 |
| 11 | | | | | 1.40 | --- | --- | | | 1.91 | 2.91 | 3.71 |
| 12 | | | | | | --- | --- | | | 1.60 | 2.44 | 3.66 |
| 13 | | | 1.51 | | | --- | --- | | 1.77 | 1.42 | 2.23 | 2.86 |
| 14 | | | 2.05 | | | --- | --- | | 1.93 | | 2.11 | 2.33 |
| 15 | | 1.79 | 1.54 | | --- | --- | | | 1.81 | | 1.62 | 2.51 |
| 16 | | 2.47 | | | --- | --- | | | 1.50 | | | 3.30 |
| 17 | | 2.89 | | | --- | --- | | | | | 1.97 | 3.89 |
| 18 | | 2.17 | | 1.45 | --- | --- | | | | | 1.65 | 3.79 |
| 19 | | 2.04 | | 1.68 | --- | --- | | | | | 1.45 | 3.09 |
| 20 | | 1.55 | | 2.24 | --- | --- | | | | | | 2.51 |
| 21 | | 1.36 | 1.56 | 1.84 | --- | --- | | | | | | --- |
| 22 | 1.56 | 1.40 | 1.70 | | --- | --- | | | | | 1.75 | --- |
| 23 | 1.85 | 1.54 | 1.57 | | --- | --- | | | 1.56 | | | --- |
| 24 | 1.97 | 1.68 | 1.60 | | --- | --- | | | 1.65 | | | --- |
| 25 | 1.88 | 1.86 | 1.55 | | --- | --- | | | 1.83 | | | --- |
| 26 | 1.70 | 1.88 | 1.45 | | --- | --- | | | 1.57 | | | --- |
| 27 | 1.44 | 1.91 | | | --- | --- | | | | | | --- |
| 28 | | 1.67 | | | --- | --- | | | | | 1.47 | --- |
| 29 | | | | | --- | --- | 1.50 | | | | 1.57 | --- |
| 30 | | | | | --- | --- | 2.15 | 1.60 | | | 1.53 | --- |
| 31 | | | | | --- | --- | --- | 1.67 | | | 1.56 | --- |
| MAX | 1.97 | 2.89 | 2.05 | 2.24 | 6.91 | --- | --- | 2.35 | 2.41 | 2.43 | 3.19 | 5.18 |
| MIN | | | | | --- | --- | --- | | | | | --- |

## 07380120 AMITE RIVER AT PORT VINCENT, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°19'57", long 90°51'07", in sec.19, T.8 S., R.4 E., Livingston Parish, Hydrologic Unit 08070202, on downstream side of bridge on State Highway 42, 0.1 mi east of intersection of State Highway 42 and 431, 0.2 mi west of intersection of State Highway 42 and 16, 0.5 mi downstream from mouth of Grays Creek.

DRAINAGE AREA.--1,596 mi².

### WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Oct. 25, 1983 to Sept. 30, 1984 (elevations only) October 1984 to current year. Prior to Oct. 24, 1983, elevations only in reports of Corps of Engineers, New Orleans district.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Oct. 25, 1983, operated by Corps of Engineers, same site and location.

REMARKS.--Records poor. No velocity recorded July 17 to Aug. 16.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation, 14.65 ft Apr. 9, 1983; minimum elevation, -1.04 ft Jan. 19, 1977.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 42,200 ft³/s Nov. 1, 1985, elevation, 9.18 ft; minimum discharge recorded, 85 ft³/s Sept. 2, 1986; minimum daily elevation, -0.14 ft Jan. 28, 1986.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 38,300 ft³/s Apr. 4, elevation, 9.05 ft; minimum daily discharge, -178 ft³/s Sept. 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 358 | 353 | 426 | 377 | 4070 | 1380 | 12700 | 792 | 532 | 607 | e450 | 193 |
| 2 | 619 | 139 | 207 | 1190 | 12500 | 1270 | 21700 | 761 | 983 | 614 | e580 | 204 |
| 3 | 492 | 363 | 205 | 939 | 12700 | 5350 | 25600 | 717 | 858 | 569 | e520 | 908 |
| 4 | 366 | 469 | 271 | 886 | 14200 | 7000 | 32200 | 995 | 640 | 673 | e620 | 4650 |
| 5 | 336 | 650 | 207 | 720 | 13900 | 7520 | 32100 | 880 | 364 | 718 | e900 | 8640 |
| 6 | 397 | 503 | 257 | 376 | 11500 | 6800 | 23200 | 707 | 433 | 826 | e1500 | 11000 |
| 7 | 385 | 281 | 116 | 940 | 7480 | 3930 | 13500 | 655 | 814 | 1660 | e660 | 12000 |
| 8 | 150 | 374 | 96 | 2010 | 5590 | 2620 | 6430 | 650 | 840 | 1180 | e700 | 7100 |
| 9 | 238 | 553 | 516 | 1270 | 2760 | 4770 | 3490 | 645 | 837 | 822 | e500 | 2110 |
| 10 | 362 | 904 | 789 | 1070 | 2400 | 6550 | 2850 | 675 | 639 | 778 | e2000 | 1770 |
| 11 | 485 | 592 | 508 | 717 | 2350 | 8030 | 2700 | 660 | 741 | 698 | e1400 | 4460 |
| 12 | 480 | 301 | 426 | 617 | 2690 | 8680 | 1810 | 540 | 679 | 659 | e1600 | 5020 |
| 13 | 402 | 367 | 211 | 601 | 2570 | 5530 | 1360 | 668 | 629 | 601 | e910 | 2730 |
| 14 | 189 | 96 | 317 | 664 | 2000 | 2620 | 1480 | 692 | 766 | 601 | e700 | 1400 |
| 15 | 293 | 60 | 1170 | 483 | 4660 | 1800 | 1440 | 775 | 662 | 683 | e600 | 917 |
| 16 | 649 | 970 | 860 | 335 | 6200 | 1420 | 1430 | 816 | 778 | 633 | e510 | 2310 |
| 17 | 639 | 4530 | 680 | 382 | 7160 | 1330 | 1420 | 870 | 841 | e600 | 912 | 5210 |
| 18 | 146 | 2240 | 373 | 304 | 11300 | 2110 | 1630 | 798 | 863 | e500 | 1320 | 5030 |
| 19 | 434 | 1400 | 247 | 660 | 16200 | 2450 | 1720 | 830 | 939 | e1000 | 1990 | 2730 |
| 20 | 686 | 1050 | 186 | 3930 | 19700 | 2050 | 1540 | 674 | 1060 | e1100 | 968 | 1200 |
| 21 | 553 | 537 | 815 | 3390 | 22500 | 1550 | 1590 | 664 | 1380 | e560 | 1300 | 856 |
| 22 | 111 | 402 | 2410 | 2090 | 17700 | 1260 | 1420 | 783 | 681 | e1300 | 3730 | 651 |
| 23 | 479 | 186 | 1650 | 1170 | 11600 | 1200 | 1320 | 660 | 621 | e1200 | 1140 | 554 |
| 24 | 407 | 174 | 963 | 557 | 4850 | 1420 | 1310 | 464 | 549 | e700 | 835 | 601 |
| 25 | 560 | 140 | 647 | 914 | 2770 | 1800 | 1240 | 474 | 906 | e600 | 674 | 485 |
| 26 | 450 | 434 | 575 | 646 | 2040 | 2590 | 1140 | 435 | 1140 | e560 | 524 | 347 |
| 27 | 790 | 498 | 821 | 534 | 1650 | 3930 | 1150 | 266 | 700 | e540 | 443 | 165 |
| 28 | 592 | 987 | 1120 | 534 | 1500 | 5250 | 876 | 410 | 628 | e560 | 453 | 122 |
| 29 | 344 | 661 | 711 | 407 | 1430 | 5600 | 625 | 384 | 681 | e510 | 666 | -178 |
| 30 | 283 | 642 | 286 | 292 | --- | 6580 | 830 | 415 | 608 | e520 | 1230 | 101 |
| 31 | 306 | --- | 212 | 331 | --- | 9610 | --- | 480 | --- | e490 | 803 | --- |
| TOTAL | 12981 | 20856 | 18278 | 29336 | 227970 | 124000 | 201801 | 20235 | 22792 | 23062 | 31138 | 83286 |
| MEAN | 419 | 695 | 590 | 946 | 7861 | 4000 | 6727 | 653 | 760 | 744 | 1004 | 2776 |
| MAX | 790 | 4530 | 2410 | 3930 | 22500 | 9610 | 32200 | 995 | 1380 | 1660 | 3730 | 12000 |
| MIN | 111 | 60 | 96 | 292 | 1430 | 1200 | 625 | 266 | 364 | 490 | 443 | -178 |
| AC-FT | 25750 | 41370 | 36250 | 58190 | 452200 | 246000 | 400300 | 40140 | 45210 | 45740 | 61760 | 165200 |

CAL YR 1987 TOTAL 1093926 MEAN 2997 MAX 30000 MIN 60 AC_FT 2170000
WTR YR 1988 TOTAL 815735 MEAN 2229 MAX 32200 MIN -178 AC-FT 1618000

e Estimated.

## 07380120 AMITE RIVER AT PORT VINCENT, LA--CONTINUED

### ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.44 | 1.28 | .40 | 1.20 | 2.12 | .74 | 4.46 | 2.39 | 1.72 | .43 | 1.16 | 1.86 |
| 2 | 1.37 | 1.32 | .66 | 1.36 | 3.98 | 1.23 | 6.82 | 2.11 | 1.50 | .43 | 1.32 | 2.37 |
| 3 | 1.20 | 1.55 | .91 | 1.52 | 4.21 | 2.52 | 7.99 | 1.91 | 1.14 | .55 | 1.49 | 2.52 |
| 4 | 1.30 | 1.82 | .75 | 1.39 | 4.71 | 3.16 | 8.77 | 1.47 | 1.18 | .96 | 1.69 | 2.89 |
| 5 | 1.22 | 1.88 | .90 | 1.24 | 4.65 | 3.06 | 8.74 | .85 | 1.98 | 1.35 | 1.76 | 3.29 |
| 6 | .90 | 1.79 | 1.25 | 1.42 | 4.26 | 2.64 | 7.34 | .75 | 2.48 | 1.89 | 1.78 | 3.57 |
| 7 | .74 | 1.89 | 1.66 | 1.75 | 3.56 | 1.76 | 5.47 | .61 | 2.29 | 2.38 | 1.69 | 3.65 |
| 8 | 1.00 | 2.05 | 2.04 | 1.43 | 2.77 | 1.64 | 3.57 | .91 | 1.68 | 2.46 | 1.79 | 3.02 |
| 9 | 1.31 | 2.23 | 2.02 | 1.32 | 1.63 | 2.18 | 2.38 | 1.11 | 1.01 | 2.43 | 2.62 | 2.79 |
| 10 | 1.45 | 1.71 | 1.67 | 1.12 | 1.11 | 2.51 | 1.74 | .99 | .95 | 2.30 | 3.16 | 3.25 |
| 11 | 1.36 | .91 | 1.25 | 1.00 | 1.20 | 2.63 | .78 | .89 | 1.30 | 1.95 | 2.84 | 3.49 |
| 12 | 1.01 | .80 | 1.12 | .94 | .79 | 2.81 | -.23 | 1.03 | 1.43 | 1.64 | 2.42 | 3.35 |
| 13 | .78 | .80 | 1.46 | .79 | .61 | 2.06 | -.41 | 1.14 | 1.84 | 1.45 | 2.27 | 2.79 |
| 14 | 1.01 | 1.08 | 2.08 | .81 | .66 | 1.10 | .18 | .91 | 1.99 | 1.31 | 2.14 | 2.34 |
| 15 | 1.46 | 1.83 | 1.52 | 1.02 | 1.67 | .46 | .44 | .75 | 1.87 | 1.13 | 1.65 | 2.56 |
| 16 | 1.44 | 2.45 | .80 | 1.03 | 1.94 | .48 | .69 | .71 | 1.54 | .87 | 1.40 | 3.25 |
| 17 | 1.16 | 2.62 | .65 | 1.37 | 2.25 | .93 | .99 | .66 | 1.04 | 1.00 | 2.03 | 3.62 |
| 18 | 1.01 | 2.12 | .90 | 1.44 | 3.48 | 1.48 | 1.20 | .83 | .97 | .99 | 1.69 | 3.50 |
| 19 | 1.11 | 2.05 | 1.31 | 1.68 | 5.25 | .85 | 1.02 | 1.02 | 1.13 | 1.06 | 1.42 | 3.02 |
| 20 | 1.18 | 1.54 | 1.40 | 1.99 | 6.26 | .42 | 1.19 | 1.08 | 1.36 | 1.03 | 1.17 | 2.53 |
| 21 | 1.20 | 1.28 | 1.51 | 1.57 | 6.92 | .20 | 1.24 | 1.18 | 1.37 | .81 | 1.04 | 2.15 |
| 22 | 1.57 | 1.33 | 1.62 | 1.05 | 5.93 | .19 | 1.22 | 1.00 | 1.42 | .68 | 1.51 | 1.82 |
| 23 | 1.88 | 1.55 | 1.53 | .48 | 4.34 | .65 | 1.22 | .15 | 1.66 | .83 | 1.24 | 1.57 |
| 24 | 2.01 | 1.71 | 1.60 | .46 | 2.59 | 1.15 | 1.19 | .04 | 1.80 | .80 | 1.07 | 1.27 |
| 25 | 1.92 | 1.89 | 1.56 | .48 | 1.73 | 1.40 | 1.11 | .37 | 1.89 | .66 | .98 | 1.01 |
| 26 | 1.73 | 1.91 | 1.47 | -.26 | 1.10 | 1.66 | .88 | 1.08 | 1.55 | .53 | 1.10 | 1.13 |
| 27 | 1.47 | 1.94 | 1.32 | -.06 | .71 | 1.84 | 1.04 | 1.31 | 1.02 | .54 | 1.18 | 1.59 |
| 28 | 1.18 | 1.69 | .75 | .10 | .59 | 2.01 | 1.30 | 1.40 | .83 | .74 | 1.53 | 1.82 |
| 29 | 1.17 | 1.22 | -.03 | .35 | .66 | 2.31 | 1.61 | 1.44 | .84 | .96 | 1.62 | 1.93 |
| 30 | 1.18 | .63 | .34 | .67 | --- | 2.62 | 2.27 | 1.67 | .65 | 1.12 | 1.54 | 2.19 |
| 31 | 1.19 | --- | .94 | 1.11 | --- | 3.52 | --- | 1.74 | --- | 1.14 | 1.60 | --- |
| MAX | 2.01 | 2.62 | 2.03 | 1.99 | 6.92 | 3.52 | 8.77 | 2.39 | 2.48 | 2.46 | 3.16 | 3.65 |
| MIN | .74 | .63 | -.03 | -.26 | .59 | .19 | -.41 | .04 | .65 | .43 | .98 | 1.01 |

## 07380120 AMITE RIVER AT PORT VINCENT, LA--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959, 1965, 1967-69, 1976, 1986 to current year.

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | STREAM-FLOW, INSTAN-TANEOUS (CFS) | SPE-CIFIC CON-DUCT-ANCE (US/CM) | PH (STAND-ARD UNITS) | TEMPER-ATURE WATER (DEG C) | COLOR (PLAT-INUM-COBALT UNITS) | TUR-BID-ITY (NTU) | OXYGEN, DIS-SOLVED (MG/L) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) | STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 14... | 1030 | 232 | 79 | 7.23 | 20.0 | 15 | 12 | 8.5 | 0.9 | -- | 54 |
| JAN 1988 | | | | | | | | | | | |
| 11... | 0945 | 525 | 76 | 7.14 | 5.0 | 15 | 32 | 11.8 | 4.2 | K6100 | K5200 |
| APR | | | | | | | | | | | |
| 14... | 1130 | -- | 121 | 6.21 | 20.5 | 40 | 8.1 | 7.0 | 2.5 | 98 | 65 |
| JUL | | | | | | | | | | | |
| 14... | 0900 | 645 | 74 | 7.27 | 29.5 | 20 | 17 | 7.0 | 1.4 | 88 | K40 |

| DATE | HARD-NESS TOTAL (MG/L AS CACO3) | CALCIUM DIS-SOLVED (MG/L AS CA) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) | SODIUM, DIS-SOLVED (MG/L AS NA) | POTAS-SIUM, DIS-SOLVED (MG/L AS K) | ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DIS-SOLVED (MG/L AS SO4) | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) | FLUO-RIDE, DIS-SOLVED (MG/L AS F) | SILICA, DIS-SOLVED (MG/L AS SIO2) | SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 14... | 15 | 3.8 | 1.4 | 9.5 | 1.5 | 22 | 3.1 | 10 | 0.2 | 13 | 60 |
| JAN 1988 | | | | | | | | | | | |
| 11... | 16 | 4.1 | 1.4 | 7.9 | 2.6 | 17 | 13 | 8.5 | 0.1 | 9.5 | 60 |
| APR | | | | | | | | | | | |
| 14... | 32 | 8.5 | 2.6 | 9.8 | 1.9 | 29 | 9.1 | 12 | 0.2 | 11 | 79 |
| JUL | | | | | | | | | | | |
| 14... | 16 | 4.0 | 1.4 | 8.0 | 1.8 | 21 | 16 | 6.7 | 0.2 | 11 | 56 |

| DATE | SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) | NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) | NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) | NITRO-GEN, AMMONIA TOTAL (MG/L AS N) | NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) | NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) | PHOS-PHOROUS TOTAL (MG/L AS P) | PHOS-PHOROUS DIS-SOLVED (MG/L AS P) | PHOS-PHOROUS ORTHO, DIS-SOLVED (MG/L AS P) | ALUM-INUM, DIS-SOLVED (UG/L AS AL) | ARSENIC DIS-SOLVED (UG/L AS AS) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 14... | 56 | <0.01 | 0.16 | 0.03 | 0.04 | 0.3 | 0.11 | 0.05 | 0.05 | <10 | <1 |
| JAN 1988 | | | | | | | | | | | |
| 11... | 59 | <0.01 | 0.31 | 0.14 | 0.13 | 0.8 | 0.29 | 0.11 | 0.09 | 510 | <1 |
| APR | | | | | | | | | | | |
| 14... | 76 | 0.01 | 0.16 | 0.05 | 0.07 | 0.5 | 0.20 | 0.13 | 0.10 | 50 | 1 |
| JUL | | | | | | | | | | | |
| 14... | 61 | 0.02 | 0.30 | 0.02 | 0.02 | 0.3 | 0.15 | 0.10 | 0.03 | 110 | 2 |

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal colony count).

## 07380120 AMITE RIVER AT PORT VINCENT, LA--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | BARIUM, DIS-SOLVED (UG/L AS BA) | BERYL-LIUM, DIS-SOLVED (UG/L AS BE) | CADMIUM DIS-SOLVED (UG/L AS CD) | CHRO-MIUM, DIS-SOLVED (UG/L AS CR) | COBALT, DIS-SOLVED (UG/L AS CO) | COPPER, DIS-SOLVED (UG/L AS CU) | IRON, DIS-SOLVED (UG/L AS FE) | LEAD, DIS-SOLVED (UG/L AS PB) | LITHIUM DIS-SOLVED (UG/L AS LI) | MANGA-NESE, DIS-SOLVED (UG/L AS MN) | MERCURY DIS-SOLVED (UG/L AS HG) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 14... | 24 | <0.5 | <1 | <1 | <3 | 1 | -- | <5 | <4 | 72 | <0.1 |
| JAN 1988 | | | | | | | | | | | |
| 11... | 29 | <0.5 | <1 | <5 | <3 | 3 | 260 | <5 | <4 | 4 | 0.1 |
| APR | | | | | | | | | | | |
| 14... | 45 | <0.5 | <1 | <1 | <3 | 1 | 230 | <5 | <4 | 210 | <0.1 |
| JUL | | | | | | | | | | | |
| 14... | 27 | <0.5 | 5 | 2 | <3 | 2 | 140 | <5 | <4 | 4 | <0.1 |

| DATE | MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) | NICKEL, DIS-SOLVED (UG/L AS NI) | SELE-NIUM, DIS-SOLVED (UG/L AS SE) | SILVER, DIS-SOLVED (UG/L AS AG) | STRON-TIUM, DIS-SOLVED (UG/L AS SR) | VANA-DIUM, DIS-SOLVED (UG/L AS V) | ZINC, DIS-SOLVED (UG/L AS ZN) | SEDI-MENT, SUS-PENDED (MG/L) | SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 14... | <10 | 5 | <1 | <1 | 31 | <6 | 3 | 10 | 9.0 | 100 |
| JAN 1988 | | | | | | | | | | |
| 11... | <10 | <1 | 9 | <1 | 27 | <6 | <3 | 29 | 41 | 99 |
| APR | | | | | | | | | | |
| 14... | <10 | 2 | <1 | <1 | 52 | <6 | <3 | 22 | -- | 100 |
| JUL | | | | | | | | | | |
| 14... | 10 | 1 | <1 | <1 | 32 | <6 | 25 | 10 | 14 | 100 |

< Actual value is known to be less than the value shown.

## 07381000 BAYOU LAFOURCHE AT THIBODAUX, LA

LOCATION.--Lat 29°47'52", long 90°49'21", in lot 117, T.15 S., R.16 E., Lafourche Parish, Hydrologic Unit 08090301, on downstream side of left pier of drawspan of bridge on State Highway 20 at Thibodaux, and 2.7 mi upstream from Laurel Valley Canal.

PERIOD OF RECORD.--October 1984 to current year. April 1966 to September 1984 (elevations only). Unpublished records, May 1954 to July 1957, available in files of Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works).

REMARKS.--No estimated daily discharges. Records fair. Pumping plant at Donaldsonville pumps total flow of Bayou Lafourche from Mississippi River except for small amounts of storm drainage during heavy runoff. Artificial control located about 1,000 ft downstream since Nov. 5, 1968. About 5.1 ft³/s is diverted daily from the stream above weir for city of Thibodaux water supply.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 7.64 ft Apr. 17, 1973; minimum, 0.82 ft Dec. 2, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,230 ft³/s Apr. 2, elevation 7.46 ft; minimum discharge, 15 ft³/s; minimum elevation, 4.68 ft Sept. 29, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 55 | 51 | 91 | 175 | 302 | 131 | 362 | 131 | 101 | 35 | 67 | 44 |
| 2 | 62 | 53 | 85 | 212 | 746 | 118 | 1030 | 112 | 109 | 41 | 56 | 50 |
| 3 | 67 | 62 | 91 | 212 | 587 | 347 | 567 | 91 | 104 | 55 | 48 | 62 |
| 4 | 71 | 80 | 123 | 223 | 364 | 501 | 240 | 80 | 90 | 62 | 48 | 317 |
| 5 | 75 | 87 | 119 | 220 | 263 | 227 | 148 | 70 | 99 | 57 | 50 | 249 |
| 6 | 70 | 84 | 115 | 189 | 275 | 135 | 116 | 72 | 100 | 67 | 58 | 107 |
| 7 | 57 | 95 | 139 | 190 | 206 | 115 | 94 | 73 | 100 | 102 | 69 | 60 |
| 8 | 40 | 88 | 160 | 190 | 177 | 189 | 96 | 73 | 110 | 76 | 56 | 44 |
| 9 | 39 | 103 | 164 | 181 | 179 | 303 | 90 | 81 | 89 | 65 | 79 | 39 |
| 10 | 45 | 92 | 143 | 192 | 168 | 232 | 106 | 79 | 86 | 112 | 166 | 42 |
| 11 | 42 | 84 | 130 | 189 | 196 | 136 | 117 | 68 | 90 | 113 | 108 | 53 |
| 12 | 28 | 86 | 123 | 172 | 217 | 108 | 108 | 63 | 91 | 71 | 82 | 77 |
| 13 | 35 | 86 | 94 | 164 | 175 | 122 | 99 | 70 | 94 | 53 | 60 | 74 |
| 14 | 59 | 88 | 89 | 151 | 150 | 114 | 97 | 74 | 95 | 45 | 59 | 46 |
| 15 | 69 | 84 | 91 | 148 | 359 | 114 | 89 | 75 | 89 | 41 | 56 | 40 |
| 16 | 75 | 156 | 98 | 146 | 236 | 105 | 93 | 74 | 87 | 48 | 45 | 123 |
| 17 | 82 | 240 | 106 | 141 | 182 | 110 | 93 | 71 | 89 | 49 | 47 | 175 |
| 18 | 81 | 100 | 117 | 115 | 522 | 157 | 104 | 67 | 96 | 79 | 53 | 104 |
| 19 | 85 | 79 | 125 | 111 | 516 | 157 | 113 | 67 | 103 | 72 | 51 | 73 |
| 20 | 93 | 85 | 135 | 177 | 259 | 154 | 104 | 71 | 102 | 41 | 52 | 59 |
| 21 | 91 | 100 | 178 | 168 | 193 | 151 | 95 | 109 | 83 | 44 | 60 | 57 |
| 22 | 90 | 96 | 190 | 160 | 166 | 141 | 80 | 106 | 68 | 46 | 77 | 54 |
| 23 | 84 | 88 | 131 | 132 | 170 | 132 | 77 | 89 | 85 | 54 | 67 | 49 |
| 24 | 40 | 81 | 114 | 152 | 157 | 141 | 89 | 86 | 92 | 55 | 58 | 51 |
| 25 | 26 | 98 | 96 | 159 | 147 | 147 | 85 | 106 | 92 | 58 | 60 | 56 |
| 26 | 53 | 109 | 92 | 123 | 132 | 165 | 78 | 74 | 94 | 62 | 50 | 47 |
| 27 | 71 | 108 | 91 | 136 | 129 | 175 | 76 | 69 | 75 | 60 | 39 | 38 |
| 28 | 68 | 115 | 89 | 129 | 133 | 158 | 63 | 71 | 51 | 63 | 39 | 21 |
| 29 | 52 | 106 | 83 | 147 | 136 | 138 | 69 | 72 | 45 | 62 | 37 | 16 |
| 30 | 44 | 100 | 114 | 191 | --- | 484 | 121 | 76 | 35 | 64 | 44 | 20 |
| 31 | 48 | --- | 172 | 221 | --- | 529 | --- | 96 | --- | 70 | 53 | --- |
| TOTAL | 1897 | 2884 | 3688 | 5216 | 7442 | 5936 | 4719 | 2516 | 2644 | 1922 | 1894 | 2247 |
| MEAN | 61.2 | 96.1 | 119 | 168 | 257 | 191 | 157 | 81.2 | 88.1 | 62.0 | 61.1 | 74.9 |
| MAX | 93 | 240 | 190 | 223 | 746 | 529 | 1030 | 131 | 110 | 113 | 166 | 317 |
| MIN | 26 | 51 | 83 | 111 | 129 | 105 | 63 | 63 | 35 | 35 | 37 | 16 |

CAL YR 1987 TOTAL 51762 MEAN 142 MAX 867 MIN 26
WTR YR 1988 TOTAL 43005 MEAN 117 MAX 1030 MIN 16

## 07381000 BAYOU LAFOURCHE AT THIBODAUX, LA--CONTINUED

### ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.92 | 4.88 | 5.01 | 5.28 | 5.61 | 5.12 | 5.81 | 5.17 | 5.07 | 4.79 | 4.94 | 4.84 |
| 2 | 4.95 | 4.89 | 4.99 | 5.39 | 6.54 | 5.09 | 7.12 | 5.11 | 5.10 | 4.82 | 4.89 | 4.87 |
| 3 | 4.97 | 4.93 | 5.01 | 5.39 | 6.22 | 5.69 | 6.22 | 5.03 | 5.08 | 4.89 | 4.86 | 4.92 |
| 4 | 4.99 | 5.00 | 5.12 | 5.42 | 5.73 | 6.05 | 5.47 | 4.99 | 5.03 | 4.92 | 4.86 | 5.65 |
| 5 | 5.01 | 5.02 | 5.11 | 5.41 | 5.49 | 5.41 | 5.21 | 4.95 | 5.06 | 4.90 | 4.87 | 5.51 |
| 6 | 4.99 | 5.02 | 5.10 | 5.33 | 5.52 | 5.14 | 5.11 | 4.96 | 5.06 | 4.94 | 4.90 | 5.09 |
| 7 | 4.94 | 5.06 | 5.17 | 5.33 | 5.33 | 5.08 | 5.03 | 4.96 | 5.06 | 5.07 | 4.94 | 4.91 |
| 8 | 4.86 | 5.03 | 5.24 | 5.33 | 5.25 | 5.30 | 5.05 | 4.96 | 5.10 | 4.97 | 4.89 | 4.84 |
| 9 | 4.85 | 5.08 | 5.25 | 5.30 | 5.26 | 5.60 | 5.03 | 4.99 | 5.02 | 4.93 | 4.98 | 4.81 |
| 10 | 4.88 | 5.03 | 5.19 | 5.33 | 5.22 | 5.43 | 5.08 | 4.99 | 5.01 | 5.10 | 5.28 | 4.83 |
| 11 | 4.87 | 5.01 | 5.15 | 5.33 | 5.30 | 5.15 | 5.12 | 4.94 | 5.03 | 5.11 | 5.09 | 4.88 |
| 12 | 4.79 | 5.01 | 5.12 | 5.28 | 5.37 | 5.06 | 5.09 | 4.92 | 5.03 | 4.96 | 5.00 | 4.98 |
| 13 | 4.82 | 5.01 | 5.02 | 5.25 | 5.25 | 5.11 | 5.06 | 4.95 | 5.04 | 4.88 | 4.91 | 4.97 |
| 14 | 4.93 | 5.02 | 5.00 | 5.21 | 5.17 | 5.08 | 5.06 | 4.97 | 5.05 | 4.84 | 4.91 | 4.85 |
| 15 | 4.98 | 5.00 | 5.01 | 5.20 | 5.72 | 5.08 | 5.03 | 4.97 | 5.02 | 4.83 | 4.89 | 4.82 |
| 16 | 5.00 | 5.22 | 5.04 | 5.20 | 5.41 | 5.05 | 5.04 | 4.97 | 5.02 | 4.86 | 4.84 | 5.12 |
| 17 | 5.03 | 5.48 | 5.07 | 5.18 | 5.27 | 5.07 | 5.04 | 4.96 | 5.02 | 4.86 | 4.85 | 5.30 |
| 18 | 5.02 | 5.06 | 5.10 | 5.10 | 6.06 | 5.22 | 5.08 | 4.94 | 5.05 | 4.98 | 4.88 | 5.08 |
| 19 | 5.04 | 4.97 | 5.13 | 5.08 | 6.07 | 5.22 | 5.11 | 4.94 | 5.07 | 4.96 | 4.87 | 4.96 |
| 20 | 5.07 | 5.00 | 5.16 | 5.29 | 5.48 | 5.22 | 5.08 | 4.95 | 5.07 | 4.82 | 4.88 | 4.90 |
| 21 | 5.06 | 5.05 | 5.29 | 5.27 | 5.31 | 5.21 | 5.05 | 5.09 | 5.00 | 4.84 | 4.91 | 4.90 |
| 22 | 5.05 | 5.04 | 5.33 | 5.24 | 5.23 | 5.18 | 4.99 | 5.09 | 4.94 | 4.85 | 4.98 | 4.88 |
| 23 | 5.02 | 5.01 | 5.15 | 5.15 | 5.24 | 5.15 | 4.98 | 5.02 | 5.01 | 4.88 | 4.94 | 4.86 |
| 24 | 4.84 | 4.98 | 5.09 | 5.21 | 5.20 | 5.18 | 5.02 | 5.01 | 5.03 | 4.89 | 4.90 | 4.87 |
| 25 | 4.76 | 5.05 | 5.03 | 5.24 | 5.17 | 5.20 | 5.01 | 5.08 | 5.04 | 4.90 | 4.91 | 4.89 |
| 26 | 4.90 | 5.09 | 5.01 | 5.12 | 5.12 | 5.26 | 4.98 | 4.97 | 5.04 | 4.92 | 4.87 | 4.85 |
| 27 | 4.97 | 5.08 | 5.01 | 5.16 | 5.11 | 5.28 | 4.98 | 4.95 | 4.97 | 4.91 | 4.81 | 4.81 |
| 28 | 4.96 | 5.09 | 5.00 | 5.14 | 5.13 | 5.23 | 4.92 | 4.96 | 4.87 | 4.92 | 4.81 | 4.72 |
| 29 | 4.90 | 5.06 | 4.98 | 5.20 | 5.14 | 5.18 | 4.94 | 4.96 | 4.84 | 4.92 | 4.80 | 4.68 |
| 30 | 4.86 | 5.05 | 5.09 | 5.33 | --- | 6.03 | 5.13 | 4.97 | 4.79 | 4.93 | 4.83 | 4.71 |
| 31 | 4.87 | --- | 5.28 | 5.42 | --- | 6.15 | --- | 5.05 | --- | 4.95 | 4.88 | --- |
| MAX | 5.07 | 5.48 | 5.33 | 5.42 | 6.54 | 6.15 | 7.12 | 5.17 | 5.10 | 5.11 | 5.28 | 5.65 |
| MIN | 4.76 | 4.88 | 4.98 | 5.08 | 5.11 | 5.05 | 4.92 | 4.92 | 4.79 | 4.79 | 4.80 | 4.68 |

## 07381324 BAYOU GRAND CAILLOU AT DULAC, LA

LOCATION.--Lat 29°22'58", long 90°42'55", in sec.86, T.19 S, R.17 E., St. Helena Meridian, Terrebonne Parish, Hydrologic Unit 08090302, on downstream side of Bouquet Bridge, 0.1 mi west of intersection of parish road and Highway 57, 0.8 mi south of Dulac, 16.4 mi south of Houma.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1984 to current year (daily discharges below 6.0 ft stage only).

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is 4.00 ft below National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1985, datum of gage 2.00 ft higher.

REMARKS.--Records poor. Flow occasionally reversed as a result of tide and wind effect.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 8.89 ft Oct. 28, 1985; minimum discharge, -1,470 ft$^3$/s Oct. 28, 1985; minimum gage height, 2.78 ft Jan. 28, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 877 ft$^3$/s Aug. 7; maximum gage height, 5.69 ft Sept. 17; minimum discharge, -917 ft$^3$/s Sept. 15; minimum gage height, 2.78 ft Jan. 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | -86 | 20 | -37 | -52 | -76 | -254 | -299 | -154 | -36 | 110 | 40 | -73 |
| 2 | 36 | 27 | -87 | -135 | 46 | -293 | -248 | -97 | 28 | 122 | 37 | -148 |
| 3 | -18 | 111 | -63 | -123 | -89 | -250 | -257 | -43 | 51 | 101 | 55 | -166 |
| 4 | -110 | 3.8 | -67 | -70 | -119 | -255 | -221 | -59 | -63 | 42 | 88 | -137 |
| 5 | -23 | 67 | -89 | -133 | -86 | -240 | -227 | -121 | -16 | 110 | 62 | 79 |
| 6 | 9.1 | 32 | -95 | -169 | -127 | -241 | -200 | -127 | -8.7 | 23 | 103 | 54 |
| 7 | -35 | -25 | 12 | -42 | -160 | -263 | -198 | -145 | 51 | -102 | 264 | -38 |
| 8 | -92 | -85 | -40 | -117 | -152 | -285 | -208 | -200 | 43 | -199 | 185 | -132 |
| 9 | -41 | 87 | -28 | -77 | -147 | -261 | -209 | -130 | 38 | -138 | 42 | -68 |
| 10 | .64 | 158 | 9.6 | -23 | -200 | -259 | -207 | -142 | 64 | 65 | -35 | -24 |
| 11 | 41 | -25 | 38 | -141 | -173 | -278 | -190 | -156 | -16 | 84 | -55 | -97 |
| 12 | -48 | -63 | -4.0 | -72 | -158 | -271 | -176 | -163 | -45 | 104 | -74 | -16 |
| 13 | -124 | -37 | -69 | -31 | -205 | -261 | -181 | -164 | -115 | 124 | -61 | -61 |
| 14 | -34 | -18 | -64 | -119 | -237 | -234 | -225 | -175 | -122 | 69 | -31 | -72 |
| 15 | -15 | -93 | 196 | -140 | -81 | -226 | -280 | -166 | -38 | 106 | -10 | -473 |
| 16 | .43 | -158 | 17 | -153 | -194 | -239 | -260 | -179 | 30 | 80 | -49 | -424 |
| 17 | 16 | -4.2 | 7.9 | -5.3 | -217 | -273 | -274 | -178 | 46 | 75 | -36 | -262 |
| 18 | 14 | -20 | -70 | -62 | -224 | -247 | -78 | -181 | 60 | 50 | -38 | -21 |
| 19 | 38 | 36 | -99 | -62 | -224 | -205 | -99 | -180 | 36 | 52 | -57 | 88 |
| 20 | 83 | 1.8 | 84 | -5.7 | -209 | -238 | -187 | -176 | -23 | 22 | -56 | 183 |
| 21 | 17 | -28 | 83 | 6.9 | -183 | -234 | -233 | -158 | -7.5 | 37 | -65 | 231 |
| 22 | -73 | -50 | .58 | -86 | -213 | -242 | -248 | -58 | -11 | 26 | -35 | 140 |
| 23 | -8.6 | 18 | -74 | -112 | -225 | -243 | -267 | -20 | 16 | -3.7 | -50 | 73 |
| 24 | -40 | 57 | -55 | -210 | -204 | -228 | -279 | 50 | -200 | -14 | -96 | 64 |
| 25 | -36 | 56 | 18 | -125 | -226 | -228 | -268 | 23 | -24 | 25 | -85 | 59 |
| 26 | 63 | 18 | 79 | -134 | -228 | -229 | -214 | -40 | 139 | 8.8 | -113 | -71 |
| 27 | 82 | -17 | -7.1 | -134 | -241 | -234 | -169 | -34 | 165 | 38 | -77 | -74 |
| 28 | -23 | .67 | 31 | -175 | -253 | -258 | -170 | -20 | 118 | 31 | -75 | -.24 |
| 29 | 7.7 | -14 | -78 | -200 | -254 | -264 | -200 | -15 | 111 | 36 | -18 | -86 |
| 30 | 2.2 | -19 | -159 | -202 | --- | -310 | -278 | -67 | 128 | -5.3 | -26 | -82 |
| 31 | 4.2 | --- | -93 | -156 | --- | -330 | --- | -69 | --- | -39 | -42 | --- |
| TOTAL | -392.33 | 37.07 | -702.02 | -3259.1 | -5059 | -7873 | -6550 | -3344 | 398.8 | 1039.8 | -308 | -1554.24 |
| MEAN | -12.7 | 1.24 | -22.6 | -105 | -174 | -254 | -218 | -108 | 13.3 | 33.5 | -9.94 | -51.8 |
| MAX | 83 | 158 | 196 | 6.9 | 46 | -205 | -78 | 50 | 165 | 124 | 264 | 231 |
| MIN | -124 | -158 | -159 | -210 | -254 | -330 | -299 | -200 | -200 | -199 | -113 | -473 |

CAL YR 1987 TOTAL -27228.78 MEAN -74.6 MAX 268 MIN -336
WTR YR 1988 TOTAL -27566.02 MEAN -75.3 MAX 264 MIN -473

## 07381324 BAYOU GRAND CAILLOU AT DULAC, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.86 | 3.98 | 3.85 | 3.82 | 4.23 | 3.71 | 4.59 | 4.55 | 4.37 | 4.08 | 4.08 | 4.30 |
| 2 | 4.16 | 4.01 | 3.91 | 3.67 | 4.24 | 4.02 | 4.92 | 4.55 | 4.28 | 4.12 | 4.10 | 4.51 |
| 3 | 3.82 | 4.09 | 3.89 | 3.86 | 4.15 | 4.42 | 5.27 | 4.52 | 4.23 | 4.13 | 4.08 | 4.72 |
| 4 | 3.78 | 4.16 | 3.83 | 3.74 | 3.91 | 4.23 | 4.80 | 4.30 | 4.33 | 4.09 | 4.10 | 4.90 |
| 5 | 3.97 | 4.28 | 3.82 | 3.64 | 3.49 | 3.96 | 4.60 | 4.10 | 4.37 | 4.05 | 4.08 | 4.58 |
| 6 | 3.97 | 4.06 | 4.09 | 3.77 | 3.06 | 3.87 | 4.16 | 4.03 | 4.30 | 4.19 | 4.18 | 4.55 |
| 7 | 3.85 | 4.23 | 4.49 | 3.88 | 3.42 | 3.97 | 3.86 | 3.96 | 4.18 | 4.45 | 4.55 | 4.47 |
| 8 | 3.84 | 4.38 | 4.49 | 3.61 | 3.44 | 4.18 | 3.90 | 4.11 | 4.20 | 4.51 | 4.07 | 4.53 |
| 9 | 3.94 | 4.55 | 4.42 | 3.87 | 3.53 | 4.06 | 3.91 | 4.22 | 4.19 | 4.58 | 4.03 | 4.58 |
| 10 | 3.91 | 4.09 | 4.27 | 3.59 | 3.68 | 3.82 | 3.85 | 4.04 | 4.03 | 4.51 | 4.42 | 4.61 |
| 11 | 3.93 | 3.55 | 4.12 | 3.63 | 3.58 | 3.96 | 3.25 | 3.86 | 3.95 | 4.44 | 4.37 | 4.61 |
| 12 | 3.63 | 3.63 | 4.19 | 3.90 | 3.20 | 4.10 | 2.77 | 3.86 | 4.11 | 4.39 | 4.22 | 4.58 |
| 13 | 3.55 | 3.65 | 4.29 | 3.61 | 3.41 | 3.86 | 3.16 | 3.87 | 4.36 | 4.33 | 4.32 | 4.61 |
| 14 | 3.83 | 3.96 | 4.56 | 3.52 | 3.72 | 3.54 | 3.42 | 3.84 | 4.37 | 4.23 | 4.34 | 4.64 |
| 15 | 3.92 | 4.31 | 4.25 | 3.69 | 3.97 | 3.29 | 3.65 | 3.84 | 4.29 | 4.09 | 4.12 | 5.05 |
| 16 | 4.00 | 4.72 | 3.69 | 3.86 | 3.84 | 3.39 | 3.93 | 3.85 | 4.19 | 3.95 | 3.97 | 5.46 |
| 17 | 3.91 | 4.52 | 3.58 | 4.14 | 4.04 | 3.70 | 4.18 | 3.76 | 4.07 | 3.91 | 4.17 | 5.48 |
| 18 | 3.90 | 4.34 | 3.67 | 4.24 | 4.39 | 3.77 | 4.42 | 3.79 | 4.03 | 3.87 | 4.10 | 5.16 |
| 19 | 4.01 | 4.27 | 3.91 | 4.63 | 4.40 | 3.00 | 4.15 | 3.84 | 4.07 | 3.99 | 3.99 | 4.98 |
| 20 | 4.10 | 3.97 | 4.06 | 4.48 | 4.08 | 3.20 | 4.12 | 3.87 | 4.10 | 4.05 | 4.00 | 4.82 |
| 21 | 3.68 | 3.83 | 4.03 | 3.97 | 3.69 | 3.16 | 4.21 | 4.11 | 4.10 | 3.90 | 3.99 | 4.63 |
| 22 | 3.90 | 3.96 | 4.10 | 3.77 | 3.91 | 3.29 | 4.29 | 4.36 | 4.23 | 3.80 | 3.99 | 4.53 |
| 23 | 4.09 | 4.11 | 4.14 | 3.62 | 3.94 | 3.63 | 4.34 | 4.15 | 4.27 | 3.76 | 4.06 | 4.52 |
| 24 | 4.19 | 4.26 | 4.29 | 4.02 | 3.67 | 3.83 | 4.27 | 4.06 | 4.54 | 3.77 | 4.04 | 4.46 |
| 25 | 4.17 | 4.36 | 4.42 | 3.44 | 3.71 | 3.88 | 4.27 | 3.82 | 4.52 | 3.76 | 4.02 | 4.31 |
| 26 | 4.24 | 4.43 | 4.40 | 3.28 | 3.66 | 3.84 | 4.08 | 3.78 | 4.27 | 3.74 | 4.06 | 4.14 |
| 27 | 4.02 | 4.48 | 4.25 | 3.17 | 3.63 | 3.73 | 3.95 | 3.97 | 4.17 | 3.78 | 4.18 | 4.18 |
| 28 | 3.86 | 4.13 | 3.66 | 3.23 | 3.67 | 3.93 | 3.85 | 4.13 | 4.09 | 3.88 | 4.26 | 4.21 |
| 29 | 3.95 | 4.05 | 3.25 | 3.46 | 3.70 | 4.08 | 4.41 | 4.24 | 4.08 | 3.95 | 4.19 | 4.30 |
| 30 | 3.95 | 4.00 | 3.47 | 3.76 | --- | 4.13 | 4.71 | 4.36 | 4.08 | 4.03 | 4.02 | 4.60 |
| 31 | 4.00 | --- | 3.77 | 4.00 | --- | 4.29 | --- | 4.39 | --- | 4.06 | 4.19 | --- |
| MAX | 4.24 | 4.72 | 4.56 | 4.63 | 4.40 | 4.42 | 5.27 | 4.55 | 4.54 | 4.58 | 4.55 | 5.48 |
| MIN | 3.55 | 3.55 | 3.25 | 3.17 | 3.06 | 3.00 | 2.77 | 3.76 | 3.95 | 3.74 | 3.97 | 4.14 |

## 07381440 BAYOU GROSSE TETE AT ROSEDALE, LA

LOCATION.--Lat 30°26'33", long 91°27'06", in sec.27, T.7 S., R.10 E., St. Helena Meridian, Iberville Parish, Hydrologic Unit 08070300, on downstream side of bridge on Highway 76, in the Town of Rosedale, 2.1 mi north of Interstate 10, 2.5 mi north of Grosse Tete.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1983 to current year. Prior to Oct. 1, 1983, gage heights only, in reports of Corps of Engineers, New Orleans district.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Oct. 29 to Nov. 16, Nov. 18, 19, Feb. 29 and Mar. 25-27. Records poor. No elevation record, Oct. 1-25, 29-30 and Nov. 2, 12-15. No velocity record, Oct. 1-25 and Feb. 1-18, 21-29.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,170 $ft^3/s$ Feb. 19, 1988, maximum elevation 12.11 ft Oct. 27, 1983; minimum discharge, -280 $ft^3/s$ June 16, 1985, minimum elevation, 0.04 ft Oct. 30, 1987.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,170 $ft^3/s$, Feb. 19, elevation, 11.00 ft. Minimum, no flow for several days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | --- | e2.0 | 19 | 46 | --- | 559 | 2680 | 132 | 20 | 19 | 25 | 612 |
| 2 | --- | e.00 | 16 | 147 | --- | 474 | 1900 | 96 | 20 | 19 | 22 | 583 |
| 3 | --- | e5.0 | 18 | 161 | --- | 763 | 1450 | 115 | 18 | 20 | 19 | 721 |
| 4 | --- | e7.0 | 17 | 99 | --- | 941 | 1720 | 121 | 20 | 17 | 18 | 1080 |
| 5 | --- | e10 | 15 | 59 | --- | 852 | 1720 | 100 | 17 | 17 | 23 | 1310 |
| 6 | --- | e12 | 14 | 46 | --- | 704 | 1770 | 80 | 16 | 15 | 24 | 1370 |
| 7 | --- | e10 | 21 | 128 | --- | 574 | 1510 | 70 | 16 | 17 | 24 | 1350 |
| 8 | --- | e15 | 40 | 439 | --- | 487 | 1440 | 58 | 17 | 20 | 19 | 1240 |
| 9 | --- | e17 | 36 | 255 | --- | 889 | 1340 | 56 | 17 | 20 | 14 | 1200 |
| 10 | --- | e20 | 27 | 156 | --- | 1100 | 1250 | 43 | 18 | 30 | 227 | 1080 |
| 11 | --- | e17 | 22 | 120 | --- | 1110 | 1170 | 34 | 15 | 29 | 721 | 1060 |
| 12 | --- | e.00 | 19 | 89 | --- | 1020 | 1060 | 28 | 17 | 27 | 534 | 1030 |
| 13 | --- | e.00 | 21 | 100 | --- | 948 | 933 | 24 | 17 | 26 | 236 | 965 |
| 14 | --- | e.00 | 17 | 126 | --- | 585 | 779 | 18 | 18 | 22 | 81 | 920 |
| 15 | --- | e.00 | 24 | 113 | --- | 506 | 618 | 16 | 19 | 20 | 39 | 851 |
| 16 | --- | e21 | 20 | 89 | --- | 390 | 479 | 15 | 19 | 19 | 25 | 767 |
| 17 | --- | 140 | 20 | 77 | --- | 313 | 367 | 15 | 20 | 19 | 27 | 826 |
| 18 | --- | e135 | 16 | 77 | --- | 372 | 333 | 14 | 17 | 260 | 38 | 883 |
| 19 | --- | e60 | 16 | 73 | 2900 | 408 | 363 | 12 | 17 | 318 | 51 | 882 |
| 20 | --- | 22 | 18 | 131 | 3000 | 339 | 297 | 13 | 19 | 154 | 40 | 831 |
| 21 | --- | 17 | 96 | 126 | --- | 284 | 252 | 17 | 16 | 66 | 27 | 719 |
| 22 | --- | 15 | 162 | 115 | --- | 239 | 251 | 25 | 15 | 52 | 60 | 600 |
| 23 | --- | 14 | 119 | 93 | --- | 236 | 224 | 34 | 15 | 31 | 46 | 470 |
| 24 | --- | 14 | 71 | 78 | --- | 210 | 229 | 31 | 16 | 16 | 32 | 511 |
| 25 | --- | 16 | 53 | 73 | --- | e470 | 189 | 27 | 22 | 18 | 74 | 518 |
| 26 | 13 | 21 | 54 | 65 | --- | e510 | 161 | 20 | 25 | 17 | 58 | 422 |
| 27 | 15 | 21 | 70 | 58 | --- | e410 | 141 | 15 | 22 | 15 | 31 | 319 |
| 28 | 7.0 | 32 | 58 | 54 | --- | 354 | 151 | 16 | 17 | 18 | 24 | 230 |
| 29 | e.00 | 47 | 50 | 46 | e580 | 330 | 131 | 19 | 18 | 17 | 25 | 187 |
| 30 | e1.0 | 26 | 43 | 48 | --- | 1120 | 137 | 20 | 17 | 19 | 234 | 174 |
| 31 | e.00 | --- | 32 | 51 | --- | 1630 | --- | 20 | --- | 20 | 423 | --- |
| TOTAL | --- | 716.00 | 1224 | 3338 | --- | 19127 | 25045 | 1304 | 540 | 1377 | 3241 | 23711 |
| MEAN | --- | 23.9 | 39.5 | 108 | --- | 617 | 835 | 42.1 | 18.0 | 44.4 | 105 | 790 |
| MAX | --- | 140 | 162 | 439 | --- | 1630 | 2680 | 132 | 25 | 318 | 721 | 1370 |
| MIN | --- | .00 | 14 | 46 | --- | 210 | 131 | 12 | 15 | 15 | 14 | 174 |
| AC-FT | --- | 1420 | 2430 | 6620 | --- | 37940 | 49680 | 2590 | 1070 | 2730 | 6430 | 47030 |

e Estimated.

## 07381440 BAYOU GROSSE TETE AT ROSEDALE, LA--CONTINUED

### ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | --- | .14 | .52 | 1.20 | 4.00 | 5.67 | 10.92 | 1.84 | .47 | .48 | .62 | 5.67 |
| 2 | --- | --- | .42 | 1.78 | 10.34 | 5.25 | 11.75 | 1.67 | .46 | .54 | .62 | 6.00 |
| 3 | --- | .11 | .50 | 1.97 | 10.76 | 6.91 | 11.79 | 1.60 | .42 | .50 | .46 | 6.43 |
| 4 | --- | .14 | .52 | 1.46 | 10.77 | 7.92 | 11.56 | 1.48 | .40 | .39 | .41 | 9.46 |
| 5 | --- | .22 | .37 | 1.19 | 10.73 | 7.33 | 11.26 | 1.33 | .33 | .35 | .69 | 10.44 |
| 6 | --- | .26 | .41 | 1.06 | 10.81 | 6.47 | 10.94 | 1.25 | .22 | .31 | .75 | 10.49 |
| 7 | --- | .23 | .65 | 1.62 | 10.58 | 5.76 | 10.60 | 1.24 | .14 | .42 | .76 | 10.39 |
| 8 | --- | .41 | .93 | 3.64 | 10.27 | 5.39 | 10.24 | 1.25 | .21 | .55 | .52 | 10.14 |
| 9 | --- | .52 | .97 | 2.82 | 9.96 | 7.96 | 9.88 | 1.27 | .23 | .68 | .11 | 9.85 |
| 10 | --- | .67 | .93 | 2.01 | 9.64 | 9.44 | 9.51 | 1.10 | .34 | .98 | 1.89 | 9.55 |
| 11 | --- | .47 | .73 | 1.71 | 9.37 | 9.18 | 9.11 | .96 | .19 | .93 | 5.19 | 9.23 |
| 12 | --- | --- | .68 | 1.58 | 9.12 | 8.80 | 8.63 | .81 | .27 | .84 | 4.19 | 8.90 |
| 13 | --- | --- | .66 | 1.75 | 8.74 | 8.27 | 7.91 | .67 | .29 | .81 | 2.28 | 8.52 |
| 14 | --- | --- | .64 | 1.87 | 8.21 | 7.40 | 6.91 | .48 | .39 | .66 | 1.31 | 8.12 |
| 15 | --- | --- | .76 | 1.70 | 8.51 | 6.31 | 5.83 | .40 | .40 | .54 | .80 | 7.59 |
| 16 | --- | .74 | .62 | 1.55 | 8.69 | 5.34 | 4.97 | .34 | .49 | .47 | .48 | 6.89 |
| 17 | --- | 1.62 | .60 | 1.53 | 8.31 | 4.64 | 4.37 | .31 | .42 | .36 | .51 | 7.43 |
| 18 | --- | 1.51 | .39 | 1.63 | 9.25 | 4.77 | 4.14 | .23 | .29 | 1.87 | .75 | 7.86 |
| 19 | --- | 1.13 | .39 | 1.78 | 10.97 | 5.16 | 4.13 | .16 | .38 | 2.54 | .96 | 7.70 |
| 20 | --- | .77 | .50 | 2.14 | 10.85 | 4.72 | 3.86 | .17 | .44 | 1.65 | .79 | 7.10 |
| 21 | --- | .49 | 1.52 | 2.03 | 10.57 | 4.12 | 3.46 | .34 | .22 | 1.09 | .83 | 6.13 |
| 22 | --- | .34 | 4.90 | 1.88 | 10.24 | 3.66 | 3.15 | .65 | .14 | 1.05 | 1.71 | 4.94 |
| 23 | --- | .38 | 4.17 | 1.73 | 9.93 | 3.35 | 2.93 | .84 | .28 | .76 | 1.11 | 3.75 |
| 24 | --- | .45 | 2.47 | 1.61 | 9.61 | 3.17 | 2.72 | .82 | .32 | .33 | .86 | 2.85 |
| 25 | --- | .57 | 1.65 | 1.53 | 9.24 | 4.29 | 2.49 | .67 | .69 | .15 | 1.15 | 2.43 |
| 26 | .41 | .69 | 1.51 | 1.46 | 8.78 | 4.63 | 2.29 | .39 | .77 | .12 | .94 | 2.06 |
| 27 | .44 | .67 | 1.76 | 1.41 | 8.10 | 3.93 | 2.12 | .14 | .57 | .17 | .65 | 1.73 |
| 28 | .07 | .88 | 1.58 | 1.31 | 7.25 | 3.24 | 1.97 | .17 | .38 | .39 | .57 | 1.47 |
| 29 | --- | .98 | 1.26 | 1.33 | 6.37 | 2.89 | 1.82 | .32 | .43 | .42 | .54 | 1.34 |
| 30 | --- | .68 | 1.13 | 1.43 | --- | 7.10 | 1.88 | .39 | .41 | .54 | 1.92 | 1.28 |
| 31 | --- | --- | .92 | 1.58 | --- | 10.59 | --- | .50 | --- | .59 | 3.95 | --- |
| MAX | 1.62 | --- | 4.90 | 3.64 | 10.97 | 10.59 | 11.79 | 1.84 | .77 | 2.54 | 5.19 | 10.49 |
| MIN | --- | --- | .37 | 1.06 | 4.00 | 2.89 | 1.82 | .14 | .14 | .12 | .11 | 1.28 |

## 310355091411500 OLD RIVER OUTFLOW CHANNEL (KNOX LANDING) SOUTH OF BLACK HAWK, LA

LOCATION.--Lat 31°03'55", long 91°41'15", Concordia Parish, Hydrologic Unit 08040301, at Corps of Engineers discharge range, 1.8 mi above mouth, 5.5 mi west of Old River Control Structure, and 5.6 miles west of Knox Landing.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1973-87.

PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT DISCHARGE.--June 1973 to September 1987.

REMARKS.--Records for the 1988 water year are not available in time for inclusion in this report. They will be published in a subsequent report.

COOPERATION.--Samples for suspended-sediment analysis are collected by the Corps of Engineers and analyzed by the Geological Survey. Daily suspended-sediment discharge records are computed by the Geological Survey and reviewed by the Corps of Engineers. Corps of Engineers station 02600.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily 646,000 tons Apr. 6, 1978; minimum daily 1,000 tons Oct. 3, 1976.

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

| DATE | TIME | STREAM-FLOW, INSTAN-TANEOUS (CFS) | SEDI-MENT, SUS-PENDED (MG/L) | SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM |
|---|---|---|---|---|---|
| OCT | | | | | |
| 01... | 1045 | 99000 | 302 | 80800 | 91 |
| NOV | | | | | |
| 05... | 1145 | 20500 | 278 | 15000 | 91 |
| 19... | 1145 | 207000 | 208 | 116000 | 99 |
| JAN | | | | | |
| 07... | 1145 | 136000 | 162 | 60000 | 93 |
| FEB | | | | | |
| 04... | 1145 | 128000 | 182 | 63000 | 96 |
| 25... | 1145 | 84000 | 218 | 49000 | 97 |
| MAR | | | | | |
| 04... | 1145 | 127000 | 209 | 72000 | 99 |
| 18... | 1145 | 216000 | 359 | 209000 | 96 |
| APR | | | | | |
| 01... | 1045 | 131000 | 183 | 65000 | 97 |
| 15... | 1045 | 179000 | 417 | 202000 | 99 |
| 29... | 1045 | 280000 | 352 | 266000 | 97 |
| MAY | | | | | |
| 13... | 1045 | 128000 | 201 | 70000 | 100 |
| JUN | | | | | |
| 10... | 1045 | 125000 | 293 | 99000 | 98 |
| 24... | 1045 | 74000 | 265 | 53000 | 99 |
| JUL | | | | | |
| 08... | 1045 | 53000 | 167 | 24000 | 100 |
| 23... | 1045 | 117000 | 277 | 87000 | 99 |
| AUG | | | | | |
| 05... | 1045 | 56000 | 273 | 41000 | 100 |
| 19... | 1045 | 68000 | 174 | 32000 | 95 |
| SEP | | | | | |
| 02... | 1045 | 70000 | 197 | 37000 | 98 |
| 16... | 1045 | 74000 | 385 | 77000 | 99 |
| 30... | 1045 | 69000 | 134 | 25000 | 100 |

## 310355091411500 OLD RIVER OUTFLOW CHANNEL (KNOX LANDING) SOUTH OF BLACK HAWK, LA--Continued

### SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 81000 | 24000 | 52000 | 57000 | 67000 | 51000 | 65000 | 243000 | 68000 | 35000 | 50000 | 39000 |
| 2 | 86000 | 21000 | 50000 | 56000 | 67000 | 55000 | 66000 | 225000 | 76000 | 33000 | 46000 | 37000 |
| 3 | 86000 | 19000 | 52000 | 56000 | 67000 | 58000 | 67000 | 210000 | 83000 | 30000 | 43000 | 38000 |
| 4 | 90000 | 17000 | 63000 | 56000 | 63000 | 72000 | 75000 | 189000 | 87000 | 29000 | 41000 | 39000 |
| 5 | 92000 | 16000 | 76000 | 55000 | 60000 | 86000 | 79000 | 162000 | 91000 | 29000 | 41000 | 37000 |
| 6 | 93000 | 17000 | 86000 | 58000 | 58000 | 104000 | 85000 | 145000 | 90000 | 27000 | 39000 | 42000 |
| 7 | 96000 | 20000 | 93000 | 59000 | 59000 | 123000 | 98000 | 127000 | 87000 | 24000 | 38000 | 50000 |
| 8 | 99000 | 23000 | 99000 | 59000 | 60000 | 134000 | 103000 | 115000 | 92000 | 24000 | 37000 | 57000 |
| 9 | 100000 | 26000 | 106000 | 53000 | 62000 | 146000 | 116000 | 105000 | 92000 | 26000 | 37000 | 62000 |
| 10 | 97000 | 29000 | 110000 | 47000 | 63000 | 159000 | 128000 | 94000 | 99000 | 30000 | 37000 | 68000 |
| 11 | 103000 | 31000 | 115000 | 46000 | 65000 | 170000 | 141000 | 86000 | 104000 | 35000 | 36000 | 73000 |
| 12 | 100000 | 36000 | 119000 | 46000 | 69000 | 177000 | 150000 | 76000 | 101000 | 37000 | 36000 | 77000 |
| 13 | 100000 | 43000 | 119000 | 46000 | 72000 | 189000 | 160000 | 69000 | 98000 | 40000 | 36000 | 75000 |
| 14 | 101000 | 49000 | 72000 | 43000 | 75000 | 203000 | 188000 | 73000 | 95000 | 46000 | 36000 | 77000 |
| 15 | 93000 | 56000 | 73000 | 41000 | 76000 | 206000 | 201000 | 67000 | 89000 | 51000 | 37000 | 75000 |
| 16 | 91000 | 64000 | 129000 | 39000 | 78000 | 216000 | 204000 | 68000 | 79000 | 55000 | 36000 | 77000 |
| 17 | 86000 | 76000 | 129000 | 34000 | 77000 | 217000 | 203000 | 68000 | 68000 | 57000 | 34000 | 70000 |
| 18 | 82000 | 93000 | 127000 | 34000 | 62000 | 209000 | 202000 | 67000 | 65000 | 61000 | 32000 | 67000 |
| 19 | 78000 | 116000 | 127000 | 34000 | 53000 | 199000 | 201000 | 65000 | 63000 | 64000 | 32000 | 60000 |
| 20 | 74000 | 116000 | 127000 | 33000 | 53000 | 177000 | 209000 | 61000 | 64000 | 68000 | 31000 | 55000 |
| 21 | 69000 | 121000 | 126000 | 28000 | 63000 | 160000 | 231000 | 59000 | 64000 | 75000 | 30000 | 49000 |
| 22 | 67000 | 124000 | 124000 | 25000 | 63000 | 140000 | 241000 | 57000 | 62000 | 79000 | 30000 | 44000 |
| 23 | 62000 | 121000 | 68000 | 27000 | 56000 | 123000 | 257000 | 55000 | 53000 | 87000 | 29000 | 41000 |
| 24 | 57000 | 117000 | 67000 | 27000 | 53000 | 109000 | 272000 | 55000 | 53000 | 86000 | 30000 | 40000 |
| 25 | 51000 | 103000 | 57000 | 26000 | 49000 | 100000 | 272000 | 53000 | 50000 | 85000 | 30000 | 36000 |
| 26 | 47000 | 85000 | 55000 | 27000 | 49000 | 91000 | 271000 | 52000 | 47000 | 80000 | 32000 | 33000 |
| 27 | 41000 | 75000 | 54000 | 35000 | 48000 | 80000 | 268000 | 52000 | 45000 | 78000 | 34000 | 31000 |
| 28 | 35000 | 71000 | 57000 | 43000 | 50000 | 75000 | 264000 | 55000 | 42000 | 72000 | 35000 | 28000 |
| 29 | 32000 | 56000 | 55000 | 50000 | --- | 72000 | 266000 | 57000 | 40000 | 68000 | 36000 | 26000 |
| 30 | 30000 | 52000 | 38000 | 58000 | --- | 70000 | 255000 | 60000 | 36000 | 63000 | 37000 | 25000 |
| 31 | 27000 | --- | 33000 | 66000 | --- | 70000 | --- | 64000 | --- | 57000 | 39000 | --- |
| TOTAL | 2346000 | 1817000 | 2658000 | 1364000 | 1737000 | 4041000 | 5338000 | 2934000 | 2183000 | 1631000 | 1117000 | 1528000 |
| MEAN | 75700 | 60600 | 85700 | 44000 | 62000 | 130000 | 178000 | 94600 | 72800 | 52600 | 36000 | 50900 |
| MAX | 103000 | 124000 | 129000 | 66000 | 78000 | 217000 | 272000 | 243000 | 104000 | 87000 | 50000 | 77000 |
| MIN | 27000 | 16000 | 33000 | 25000 | 48000 | 51000 | 65000 | 52000 | 36000 | 24000 | 29000 | 25000 |

WTR YR 1987 TOTAL 28694000 MEAN 78600 MAX 272000 MIN 16000

## 07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA

## WATER-QUALITY RECORDS

LOCATION.--Lat 30°58'57", long 91°47'54" in NE 1/4 SW 1/4 sec.7, T.1 S., R.7 E., Louisiana meridian, Avoyelles Parish, Hydrologic Unit 08080101, cross-section on downstream side of Kansas City Southern Railway Co. bridge, 0.4 mi east of town of Simmesport, 0.5 mi upstream from State Highway 1, and 4.9 mi downstream from confluence of Red River and Old River (head of Atchafalaya River).

DRAINAGE AREA.--Approximately 87,570 mi².

PERIOD OF RECORD.--Water years 1952-53, 1973 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1974 to September 1975, October 1978 to September 1979.
WATER TEMPERATURES: December 1975 to September 1976, October 1977 to September 1984.
CHLORIDE: October 1974 to September 1984.
SUSPENDED-SEDIMENT DISCHARGE: October 1972 to current year.

REMARKS.--Records for the 1988 water year are not available in time for inclusion in this report. They will be published in a subsequent report.

COOPERATION.--Samples for suspended-sediment analysis are collected by the Corps of Engineers and analyzed by the Geological Survey. Daily suspended-sediment discharge records are computed by the Geological Survey and reviewed by the Corps of Engineers. Corps of Engineers station 03045.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 1,240,000 tons Dec. 15, 1982; minimum daily, 2,000 tons Oct. 3-5, 1976.

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

| DATE | TIME | STREAM-FLOW, INSTAN-TANEOUS (CFS) | SEDI-MENT, SUS-PENDED (MG/L) | SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM |
|---|---|---|---|---|---|
| OCT 1987 | | | | | |
| 17... | 1015 | 312000 | 512 | 431000 | 97 |
| 28... | 1015 | 326000 | 378 | 333000 | 91 |
| NOV | | | | | |
| 12... | 1115 | 296000 | 420 | 336000 | 92 |
| 25... | 1115 | 297000 | 478 | 383000 | 94 |
| DEC | | | | | |
| 09... | 1015 | 318000 | 322 | 276000 | 82 |
| 24... | 1115 | 365000 | 286 | 282000 | 93 |
| JAN 1988 | | | | | |
| 06... | 1115 | 246000 | 212 | 141000 | 82 |
| 21... | 1115 | 180000 | 304 | 148000 | 95 |
| FEB | | | | | |
| 03... | 1115 | 211000 | 138 | 78500 | 99 |
| 18... | 1115 | 229000 | 427 | 264000 | 91 |
| MAR | | | | | |
| 03... | 1115 | 295000 | 387 | 308000 | 99 |
| 17... | 1115 | 407000 | 282 | 310000 | 90 |
| 31... | 1115 | 322000 | 419 | 364000 | 88 |
| APR | | | | | |
| 14... | 1015 | 275000 | 272 | 202000 | 99 |
| 28... | 1015 | 303000 | 215 | 176000 | 100 |
| MAY | | | | | |
| 12... | 1015 | 201000 | 189 | 102000 | 97 |
| 27... | 1015 | 128000 | 202 | 70000 | 98 |
| JUN | | | | | |
| 09... | 1015 | 187000 | 847 | 428000 | 97 |
| 23... | 1015 | 146000 | 514 | 203000 | 98 |
| JUL | | | | | |
| 07... | 1015 | 132000 | 281 | 100000 | 99 |
| 21... | 1015 | 140000 | 263 | 99400 | 100 |
| AUG | | | | | |
| 04... | 1015 | 101000 | 279 | 76000 | 100 |
| 18... | 1015 | 110000 | 143 | 42600 | 93 |
| SEP | | | | | |
| 01... | 1015 | 93500 | 98 | 24700 | 100 |
| 15... | 1015 | 93700 | 374 | 94700 | 79 |
| 29... | 1015 | 81100 | 97 | 21300 | 100 |

## 07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA--Continued

### SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 70000 | 297000 | 257000 | 160000 | 90000 | 292000 | 327000 | 182000 | 131000 | 120000 | 86000 | 25000 |
| 2 | 82000 | 296000 | 247000 | 156000 | 84000 | 302000 | 307000 | 180000 | 151000 | 121000 | 82000 | 26000 |
| 3 | 89000 | 293000 | 243000 | 145000 | 79000 | 308000 | 287000 | 180000 | 179000 | 113000 | 78000 | 26000 |
| 4 | 102000 | 279000 | 246000 | 141000 | 81000 | 325000 | 280000 | 174000 | 198000 | 108000 | 76000 | 28000 |
| 5 | 116000 | 287000 | 261000 | 140000 | 85000 | 341000 | 267000 | 155000 | 232000 | 106000 | 76000 | 33000 |
| 6 | 132000 | 283000 | 271000 | 141000 | 86000 | 361000 | 247000 | 149000 | 281000 | 103000 | 73000 | 39000 |
| 7 | 145000 | 288000 | 275000 | 144000 | 92000 | 373000 | 247000 | 143000 | 329000 | 100000 | 68000 | 46000 |
| 8 | 166000 | 294000 | 273000 | 148000 | 101000 | 376000 | 236000 | 137000 | 388000 | 99000 | 66000 | 52000 |
| 9 | 190000 | 313000 | 276000 | 141000 | 111000 | 385000 | 233000 | 129000 | 427000 | 97000 | 64000 | 62000 |
| 10 | 202000 | 331000 | 279000 | 132000 | 126000 | 412000 | 229000 | 118000 | 420000 | 96000 | 62000 | 70000 |
| 11 | 235000 | 329000 | 287000 | 130000 | 138000 | 430000 | 219000 | 110000 | 393000 | 99000 | 63000 | 78000 |
| 12 | 254000 | 335000 | 295000 | 125000 | 152000 | 424000 | 208000 | 102000 | 371000 | 101000 | 61000 | 86000 |
| 13 | 292000 | 341000 | 298000 | 124000 | 166000 | 415000 | 199000 | 96000 | 386000 | 103000 | 59000 | 93000 |
| 14 | 339000 | 343000 | 289000 | 122000 | 180000 | 409000 | 202000 | 95000 | 392000 | 112000 | 58000 | 97000 |
| 15 | 362000 | 345000 | 295000 | 124000 | 192000 | 391000 | 197000 | 93000 | 370000 | 114000 | 56000 | 95000 |
| 16 | 403000 | 352000 | 303000 | 127000 | 222000 | 380000 | 192000 | 90000 | 347000 | 114000 | 54000 | 83000 |
| 17 | 431000 | 354000 | 309000 | 122000 | 251000 | 364000 | 186000 | 89000 | 308000 | 111000 | 51000 | 73000 |
| 18 | 437000 | 367000 | 302000 | 132000 | 264000 | 372000 | 180000 | 89000 | 278000 | 558000 | 42000 | 66000 |
| 19 | 436000 | 381000 | 305000 | 149000 | 247000 | 381000 | 172000 | 86000 | 257000 | 101000 | 41000 | 61000 |
| 20 | 428000 | 377000 | 306000 | 154000 | 236000 | 373000 | 169000 | 81000 | 251000 | 98000 | 38000 | 57000 |
| 21 | 434000 | 377000 | 299000 | 148000 | 255000 | 374000 | 177000 | 76000 | 238000 | 99000 | 34000 | 48000 |
| 22 | 430000 | 391000 | 292000 | 132000 | 272000 | 373000 | 178000 | 73000 | 230000 | 102000 | 32000 | 42000 |
| 23 | 422000 | 391000 | 280000 | 124000 | 270000 | 376000 | 175000 | 70000 | 202000 | 111000 | 30000 | 36000 |
| 24 | 415000 | 383000 | 282000 | 115000 | 269000 | 378000 | 184000 | 67000 | 185000 | 115000 | 28000 | 34000 |
| 25 | 400000 | 383000 | 266000 | 108000 | 257000 | 380000 | 183000 | 71000 | 177000 | 118000 | 30000 | 34000 |
| 26 | 397000 | 361000 | 260000 | 99000 | 258000 | 375000 | 181000 | 69000 | 163000 | 117000 | 30000 | 29000 |
| 27 | 373000 | 338000 | 254000 | 100000 | 273000 | 365000 | 180000 | 70000 | 155000 | 123000 | 28000 | 27000 |
| 28 | 332000 | 327000 | 229000 | 99000 | 288000 | 364000 | 176000 | 80000 | 145000 | 113000 | 28000 | 24000 |
| 29 | 322000 | 293000 | 219000 | 98000 | --- | 363000 | 180000 | 92000 | 138000 | 110000 | 28000 | 21000 |
| 30 | 312000 | 266000 | 190000 | 98000 | --- | 361000 | 182000 | 107000 | 128000 | 104000 | 28000 | 25000 |
| 31 | 301000 | --- | 175000 | 96000 | --- | 364000 | --- | 119000 | --- | 98000 | 27000 | --- |
| TOTAL | 9049000 | 9995000 | 8363000 | 3974000 | 5125000 | 11487000 | 6380000 | 3372000 | 7850000 | 3784000 | 1577000 | 1516000 |
| MEAN | 292000 | 333000 | 270000 | 128000 | 183000 | 371000 | 213000 | 109000 | 262000 | 122000 | 50900 | 50500 |
| MAX | 437000 | 391000 | 309000 | 160000 | 288000 | 430000 | 327000 | 182000 | 427000 | 558000 | 86000 | 97000 |
| MIN | 70000 | 266000 | 175000 | 96000 | 79000 | 292000 | 169000 | 67000 | 128000 | 96000 | 27000 | 21000 |

## 07381495 ATCHAFALAYA RIVER AT MELVILLE, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°41'26", long 91°44'10", in SW 1/4 NW 1/4 sec.26, T.4 S., R.7 E., St. Helena Meridian, St. Landry-Pointe Coupee Parish line, Hydrologic Unit 08080101, at bridge on Texas and Pacific Railroad in Melville.

DRAINAGE AREA.--93,316 $mi^2$.

PERIOD OF RECORD.--Water years 1978 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: May 1979 to September 1981.
WATER TEMPERATURES: May 1979 to September 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 632 micromhos Oct. 8, 1981; minimum daily, 207 micromhos May 21, 1980.
WATER TEMPERATURES: Maximum daily, 32.0°C July 23, 24, 1981; minimum daily, 5.5°C Feb. 7, 1980, Jan. 22, 1981.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--A temperature of 5.0°C was observed on Jan. 30, 1985. A temperature of 33.0°C was observed on Sept. 1, 1988. A specific conductance of 890 microsiemens was observed on June 30, 1987. A specific conductance of 193 micromhos was observed on Nov. 25, 1987.

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | STREAM-FLOW, INSTAN-TANEOUS (CFS) | SPE-CIFIC CON-DUCT-ANCE (US/CM) | PH (STAND-ARD UNITS) | TEMPER-ATURE WATER (DEG C) | COLOR (PLAT-INUM-COBALT UNITS) | TUR-BID-ITY (NTU) | SETTLE-ABLE MATTER (ML/L/HR) | OXYGEN, DIS-SOLVED (MG/L) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) | OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) | COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | | |
| 15... | 1130 | 71800 | 595 | 7.80 | 20.0 | 10 | 28 | <1 | 7.9 | 1.3 | 14 | 580 |
| NOV | | | | | | | | | | | | |
| 25... | 1115 | 155000 | 193 | -- | -- | 80 | 170 | <1 | 6.9 | 1.7 | 18 | K800 |
| DEC | | | | | | | | | | | | |
| 29... | 1122 | 236000 | 296 | 7.76 | 10.0 | 100 | 240 | <1 | 9.5 | 1.6 | <10 | 1600 |
| JAN 1988 | | | | | | | | | | | | |
| 27... | 1215 | 316000 | 250 | 7.56 | 6.0 | 50 | 65 | <1 | 10.9 | -- | 86 | 1600 |
| FEB | | | | | | | | | | | | |
| 19... | 1030 | 341000 | 298 | 7.60 | 6.0 | 20 | 92 | <1 | 11.6 | 2.2 | 21 | 2500 |
| MAR | | | | | | | | | | | | |
| 11... | 1400 | 251000 | 302 | 7.20 | 14.0 | 80 | 75 | <1 | 9.3 | 2.0 | -- | 920 |
| APR | | | | | | | | | | | | |
| 04... | 1300 | 221000 | 285 | 7.50 | 19.0 | 60 | 120 | <1 | 9.1 | 2.6 | 85 | 1500 |
| MAY | | | | | | | | | | | | |
| 09... | 1200 | 149000 | 440 | 7.90 | 23.0 | 15 | 34 | <1 | 5.2 | -- | <10 | 560 |
| JUN | | | | | | | | | | | | |
| 02... | 1400 | 104000 | 511 | 8.14 | 26.0 | 5 | 23 | <1 | 8.9 | 2.1 | 59 | K80 |
| JUL | | | | | | | | | | | | |
| 28... | 1100 | -- | 577 | 7.98 | 30.0 | 10 | 10 | <1 | 7.0 | 1.3 | 23 | 120 |
| SEP | | | | | | | | | | | | |
| 01... | 1030 | -- | 629 | 7.60 | 33.0 | 10 | 10 | <1 | 7.2 | -- | 15 | 100 |
| 30... | 1130 | -- | 544 | 7.73 | 28.0 | 10 | 19 | <1 | 6.6 | 0.8 | 13 | 440 |

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal colony count).

## 07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) | STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) | HARD-NESS TOTAL (MG/L AS CACO3) | CALCIUM DIS-SOLVED (MG/L AS CA) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) | SODIUM, DIS-SOLVED (MG/L AS NA) | POTAS-SIUM, DIS-SOLVED (MG/L AS K) | ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DIS-SOLVED (MG/L AS SO4) | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) | FLUO-RIDE, DIS-SOLVED (MG/L AS F) | SILICA, DIS-SOLVED (MG/L AS SIO2) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | | |
| 15... | 530 | K12 | 200 | 53 | 17 | 43 | 4.1 | 140 | 73 | 47 | 0.3 | 6.7 |
| NOV | | | | | | | | | | | | |
| 25... | 120 | 420 | 59 | 17 | 4.0 | 15 | 3.0 | 49 | 14 | 20 | -- | -- |
| DEC | | | | | | | | | | | | |
| 29... | 650 | 1500 | 95 | 26 | 7.4 | 18 | 2.9 | 79 | 33 | 22 | 0.2 | 6.3 |
| JAN 1988 | | | | | | | | | | | | |
| 27... | 180 | 540 | 84 | 23 | 6.5 | 15 | 2.5 | 59 | 26 | 22 | -- | -- |
| FEB | | | | | | | | | | | | |
| 19... | 100 | 1000 | 110 | 29 | 7.9 | 17 | 2.6 | 71 | 39 | 21 | 0.2 | 6.6 |
| MAR | | | | | | | | | | | | |
| 11... | 190 | 380 | 98 | 27 | 7.5 | 20 | 2.3 | 67 | 31 | 29 | -- | -- |
| APR | | | | | | | | | | | | |
| 04... | 290 | 360 | 93 | 25 | 7.4 | 20 | 2.5 | 66 | 35 | 26 | 0.2 | 6.0 |
| MAY | | | | | | | | | | | | |
| 09... | K8 | K20 | 150 | 39 | 13 | 26 | 3.0 | 114 | 52 | 34 | -- | -- |
| JUN | | | | | | | | | | | | |
| 02... | K32 | K8 | 190 | 48 | 18 | 31 | 3.4 | 138 | 72 | 31 | 0.2 | 2.4 |
| JUL | | | | | | | | | | | | |
| 28... | K50 | K4 | 190 | 49 | 16 | -- | -- | 138 | 73 | 44 | -- | -- |
| SEP | | | | | | | | | | | | |
| 01... | K30 | K8 | 210 | 50 | 20 | 43 | 4.6 | 144 | -- | 44 | -- | -- |
| 30... | 84 | 50 | 180 | 43 | 17 | 42 | 3.7 | 129 | 78 | 37 | 0.2 | 5.0 |

| DATE | SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) | SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) | RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) | NITRO-GEN, NITRITE TOTAL (MG/L AS N) | NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) | NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) | NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) | NITRO-GEN, AMMONIA TOTAL (MG/L AS N) | NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) | NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) | NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) | PHOS-PHOROUS TOTAL (MG/L AS P) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | | |
| 15... | 344 | 332 | 54 | <0.01 | <0.01 | 1.1 | 1.0 | 0.02 | 0.04 | 0.9 | 0.5 | 0.14 |
| NOV | | | | | | | | | | | | |
| 25... | -- | -- | 389 | 0.05 | -- | 0.28 | -- | -- | -- | -- | 0.67 | 0.50 |
| DEC | | | | | | | | | | | | |
| 29... | 166 | 162 | 650 | 0.04 | 0.02 | 0.6 | 0.65 | 0.13 | 0.13 | 0.9 | -- | 0.08 |
| JAN 1988 | | | | | | | | | | | | |
| 27... | -- | -- | 465 | 0.02 | -- | 0.45 | -- | -- | -- | -- | 0.57 | 0.21 |
| FEB | | | | | | | | | | | | |
| 19... | 175 | 169 | 212 | 0.03 | 0.02 | 1.1 | 1.1 | 0.09 | 0.08 | 0.8 | 0.7 | 0.11 |
| MAR | | | | | | | | | | | | |
| 11... | -- | -- | 354 | 0.03 | -- | 0.75 | -- | -- | -- | -- | 0.58 | 0.26 |
| APR | | | | | | | | | | | | |
| 04... | 166 | 161 | 224 | 0.04 | 0.02 | 0.6 | 0.56 | 0.08 | 0.05 | 1.0 | 0.7 | 0.14 |
| MAY | | | | | | | | | | | | |
| 09... | -- | -- | 102 | 0.01 | -- | 1.0 | -- | -- | -- | 0.94 | 0.35 | 0.23 |
| JUN | | | | | | | | | | | | |
| 02... | 295 | 270 | 39 | <0.01 | 0.02 | 0.7 | 0.60 | 0.08 | 0.01 | 0.6 | 0.6 | 0.05 |
| JUL | | | | | | | | | | | | |
| 28... | -- | -- | 15 | 0.01 | -- | 0.22 | -- | -- | -- | -- | 0.48 | 0.10 |
| SEP | | | | | | | | | | | | |
| 01... | -- | -- | 26 | 0.02 | -- | 0.38 | -- | -- | -- | -- | 0.42 | 0.12 |
| 30... | 313 | 305 | 47 | <0.01 | <0.01 | 0.5 | 0.50 | 0.03 | 0.01 | 0.5 | 0.5 | 0.17 |

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal colony count).

## 07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | PHOS-PHOROUS DIS-SOLVED (MG/L AS P) | PHOS-PHOROUS ORTHO, DIS-SOLVED (MG/L AS P) | ALUM-INUM, DIS-SOLVED (UG/L AS AL) | ARSENIC TOTAL (UG/L AS AS) | ARSENIC DIS-SOLVED (UG/L AS AS) | BARIUM, DIS-SOLVED (UG/L AS BA) | BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE) | BERYL-LIUM, DIS-SOLVED (UG/L AS BE) | CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) | CADMIUM DIS-SOLVED (UG/L AS CD) | CHRO-MIUM, DIS-SOLVED (UG/L AS CR) | CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987<br>15... | 0.09 | 0.07 | <10 | 3 | 2 | 91 | <10 | <0.5 | 1 | <1 | <1 | <10 |
| NOV<br>25... | -- | -- | -- | 6 | <1 | -- | <10 | <10 | <1 | <1 | -- | <10 |
| DEC<br>29... | 0.04 | 0.02 | -- | 3 | -- | -- | <10 | -- | <1 | -- | -- | 21 |
| JAN 1988<br>27... | -- | -- | -- | 2 | <1 | -- | <10 | <10 | 2 | <1 | -- | <10 |
| FEB<br>19... | 0.05 | 0.02 | <10 | 1 | 1 | 51 | <10 | <0.5 | 1 | <1 | <1 | 5 |
| MAR<br>11... | -- | -- | -- | 3 | <1 | -- | <10 | <10 | 1 | 2 | -- | <10 |
| APR<br>04... | 0.04 | 0.03 | 20 | 3 | 1 | 56 | <10 | <0.5 | <1 | <1 | <1 | 4 |
| MAY<br>09... | -- | -- | -- | 1 | <1 | -- | <10 | <10 | 1 | <1 | -- | <10 |
| JUN<br>02... | 0.05 | <0.01 | -- | 2 | -- | -- | <10 | -- | <1 | -- | -- | 1 |
| JUL<br>28... | -- | -- | -- | 2 | 1 | -- | <10 | <10 | 1 | 1 | -- | <10 |
| SEP<br>01... | -- | -- | -- | 3 | 2 | -- | <10 | <10 | <1 | <1 | -- | <10 |
| 30... | 0.06 | 0.06 | <10 | 2 | 2 | 80 | <10 | <0.5 | 1 | <1 | <1 | <1 |

| DATE | CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR) | COBALT, DIS-SOLVED (UG/L AS CO) | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) | COPPER, DIS-SOLVED (UG/L AS CU) | IRON, DIS-SOLVED (UG/L AS FE) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) | LEAD, DIS-SOLVED (UG/L AS PB) | LITHIUM DIS-SOLVED (UG/L AS LI) | MANGA-NESE, DIS-SOLVED (UG/L AS MN) | MERCURY DIS-SOLVED (UG/L AS HG) | MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) | MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987<br>15... | <1 | <3 | 14 | 7 | 6 | 6 | <5 | 16 | 3 | <0.1 | <0.1 | <10 |
| NOV<br>25... | <1 | -- | 30 | <1 | 30 | 36 | <5 | -- | -- | <0.1 | -- | -- |
| DEC<br>29... | <1 | -- | 30 | -- | -- | 17 | -- | -- | -- | -- | <0.1 | -- |
| JAN 1988<br>27... | <1 | -- | 10 | 5 | 130 | 10 | <5 | -- | -- | <0.1 | <0.1 | -- |
| FEB<br>19... | <1 | <3 | 24 | 10 | 32 | <5 | <5 | 7 | 11 | 0.2 | <0.1 | <10 |
| MAR<br>11... | <1 | -- | 20 | 6 | 150 | 20 | <5 | -- | -- | <0.1 | <0.1 | -- |
| APR<br>04... | <1 | <3 | 17 | 5 | 64 | <5 | <5 | 7 | 9 | <0.1 | <0.1 | <10 |
| MAY<br>09... | <1 | -- | 10 | 3 | 120 | 6 | <5 | -- | -- | <0.1 | <0.1 | -- |
| JUN<br>02... | <1 | -- | 11 | -- | -- | <5 | -- | -- | -- | -- | <0.1 | -- |
| JUL<br>28... | <1 | -- | 7 | 4 | 20 | <5 | <5 | -- | -- | <0.1 | <0.1 | -- |
| SEP<br>01... | <1 | -- | 10 | 6 | 20 | 8 | <5 | -- | -- | <0.1 | <0.1 | -- |
| 30... | <1 | <3 | 9 | 6 | 5 | <5 | 5 | 23 | 2 | <0.1 | <0.1 | <10 |

< Actual value is known to be less than the value shown.

## 07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) | NICKEL, DIS- SOLVED (UG/L AS NI) | SELE- NIUM, TOTAL (UG/L AS SE) | SELE- NIUM, DIS- SOLVED (UG/L AS SE) | SILVER, DIS- SOLVED (UG/L AS AG) | STRON- TIUM, DIS- SOLVED (UG/L AS SR) | VANA- DIUM, DIS- SOLVED (UG/L AS V) | ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) | ZINC, DIS- SOLVED (UG/L AS ZN) | CARBON, ORGANIC TOTAL (MG/L AS C) | CYANIDE TOTAL (MG/L AS CN) | PHENOLS TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | | |
| 15... | 6 | 6 | <1 | 1 | <1 | 310 | <6 | 30 | 11 | 5.1 | <0.01 | 2 |
| NOV | | | | | | | | | | | | |
| 25... | 20 | <1 | 4 | <1 | -- | -- | -- | 60 | 10 | 13 | <0.01 | 7 |
| DEC | | | | | | | | | | | | |
| 29... | 23 | -- | <1 | -- | -- | -- | -- | 70 | -- | 16 | <0.01 | 3 |
| JAN 1988 | | | | | | | | | | | | |
| 27... | 10 | <1 | <1 | <1 | -- | -- | <1 | 20 | <10 | 9.8 | <0.01 | 6 |
| FEB | | | | | | | | | | | | |
| 19... | 10 | 5 | 1 | <1 | <1 | 150 | <6 | 40 | <3 | 11 | <0.01 | 4 |
| MAR | | | | | | | | | | | | |
| 11... | 9 | 2 | <1 | <1 | -- | -- | 3 | 30 | <10 | 11 | <0.01 | 10 |
| APR | | | | | | | | | | | | |
| 04... | 9 | <1 | <1 | <1 | <1 | 160 | <6 | 30 | <3 | 11 | <0.01 | 13 |
| MAY | | | | | | | | | | | | |
| 09... | 1 | <1 | <1 | <1 | -- | -- | -- | 20 | <10 | 4.9 | <0.01 | 4 |
| JUN | | | | | | | | | | | | |
| 02... | 1 | -- | <1 | -- | -- | -- | -- | 20 | -- | 5.1 | <0.01 | 3 |
| JUL | | | | | | | | | | | | |
| 28... | 5 | <1 | <1 | <1 | -- | -- | <1 | 20 | <10 | 4.7 | <0.01 | 8 |
| SEP | | | | | | | | | | | | |
| 01... | 6 | 2 | <1 | <1 | -- | -- | 2 | 40 | 10 | 4.2 | <0.01 | <1 |
| 30... | 5 | 1 | <1 | <1 | <1 | 260 | <6 | 20 | 14 | 4.1 | -- | <1 |

| DATE | OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L) | PCB, TOTAL (UG/L) | NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L) | ALDRIN, TOTAL (UG/L) | CHLOR- DANE, TOTAL (UG/L) | DDD, TOTAL (UG/L) | DDE, TOTAL (UG/L) | DDT, TOTAL (UG/L) | DI- AZINON, TOTAL (UG/L) | DI- ELDRIN TOTAL (UG/L) | ENDO- SULFAN, TOTAL (UG/L) | ENDRIN, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | | |
| 15... | 2 | <0.1 | <1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| NOV | | | | | | | | | | | | |
| 25... | 1 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| DEC | | | | | | | | | | | | |
| 29... | 3 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| JAN 1988 | | | | | | | | | | | | |
| 27... | 4 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| FEB | | | | | | | | | | | | |
| 19... | 3 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| MAR | | | | | | | | | | | | |
| 11... | <1 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| APR | | | | | | | | | | | | |
| 04... | 2 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MAY | | | | | | | | | | | | |
| 09... | 2 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| JUN | | | | | | | | | | | | |
| 02... | 1 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| JUL | | | | | | | | | | | | |
| 28... | <1 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| SEP | | | | | | | | | | | | |
| 01... | 2 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| 30... | 2 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |

< Actual value is known to be less than the value shown.

## 07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | ETHION, TOTAL (UG/L) | HEPTA-CHLOR, TOTAL (UG/L) | HEPTA-CHLOR EPOXIDE TOTAL (UG/L) | LINDANE TOTAL (UG/L) | MALA-THION, TOTAL (UG/L) | METH-OXY-CHLOR, TOTAL (UG/L) | METHYL PARA-THION, TOTAL (UG/L) | METHYL TRI-THION, TOTAL (UG/L) | MIREX, TOTAL (UG/L) | PARA-THION, TOTAL (UG/L) | PER-THANE TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 15... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.03 | <0.01 | <0.01 | <0.01 |
| NOV | | | | | | | | | | | |
| 25... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | -- | <0.01 | <0.01 | 0.02 | <0.01 |
| DEC | | | | | | | | | | | |
| 29... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| JAN 1988 | | | | | | | | | | | |
| 27... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| FEB | | | | | | | | | | | |
| 19... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.02 | <0.01 | <0.01 | <0.01 |
| MAR | | | | | | | | | | | |
| 11... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | -- | <0.01 | <0.01 | <0.01 |
| APR | | | | | | | | | | | |
| 04... | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| MAY | | | | | | | | | | | |
| 09... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| JUN | | | | | | | | | | | |
| 02... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| JUL | | | | | | | | | | | |
| 28... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| SEP | | | | | | | | | | | |
| 01... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| 30... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |

| DATE | TOX-APHENE, TOTAL (UG/L) | TOTAL TRI-THION (UG/L) | 2,4-D, TOTAL (UG/L) | 2, 4-DP TOTAL (UG/L) | 2,4,5-T TOTAL (UG/L) | SILVEX, TOTAL (UG/L) | CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) | CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) | SEDI-MENT, SUS-PENDED (MG/L) | SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 15... | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | -- | 12 | 0.7 | 63 | 12200 | 99 |
| NOV | | | | | | | | | | | |
| 25... | <0.5 | <0.01 | 0.2 | 0.2 | 0.2 | <0.1 | 2.5 | 0.2 | -- | -- | -- |
| DEC | | | | | | | | | | | |
| 29... | <0.5 | <0.01 | 0.4 | <0.1 | <0.1 | <0.1 | 2.3 | 0.2 | 1480 | 943000 | 80 |
| JAN 1988 | | | | | | | | | | | |
| 27... | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 0.9 | <0.1 | 687 | 586000 | 65 |
| FEB | | | | | | | | | | | |
| 19... | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 371 | 342000 | 69 |
| MAR | | | | | | | | | | | |
| 11... | <0.5 | <0.01 | <0.1 | <0.1 | 0.1 | <0.1 | 6.9 | 0.5 | 430 | 291000 | 81 |
| APR | | | | | | | | | | | |
| 04... | -- | -- | -- | -- | -- | -- | 5.3 | 0.4 | 488 | 291000 | 77 |
| MAY | | | | | | | | | | | |
| 09... | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 14 | 0.6 | 117 | 47100 | 89 |
| JUN | | | | | | | | | | | |
| 02... | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 25 | 1.3 | 59 | 16600 | 97 |
| JUL | | | | | | | | | | | |
| 28... | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 20 | 1.1 | -- | -- | -- |
| SEP | | | | | | | | | | | |
| 01... | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 14 | 0.7 | -- | -- | -- |
| 30... | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 3.9 | 0.5 | -- | -- | -- |

< Actual value is known to be less than the value shown.

## 07381590 WAX LAKE OUTLET AT CALUMET, LA

LOCATION.--Lat 29°41'52", long 91°22'22", in lot 56, T.15 S., R.11 E., St. Mary Parish, Hydrologic Unit 08080101 at Southern Railways System Bridge, 160 ft downstream from State Highway 90, 0.4 mi downstream from Bayou Teche, 0.5 mi west of Calumet, and 9.8 mi west of Morgan City.

DRAINAGE AREA.--Indeterminate.

### WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1973 to June 1975 (discharge measurements only), October 1976 to May 1986 (elevations and discharge measurements only), June 1986 to current year. Gage heights, May 1942 to September 1976 and discharge, 1942-46, 1949-55, and intermittently, 1957 to current year (collected in same vicinity) are in reports of Corps of Engineers, New Orleans district.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Relief outlet for Atchafalaya basin; discharge and elevations are affected by tide at all stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 7.80 ft June 6, 1983, minimum, -1.01 ft Jan. 17, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation since 1942, 11.02 ft, present datum, May 27, 1973, minimum, -2.82 ft, present datum, Oct. 18, 1948 (from records of Corps of Engineers, New Orleans district).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 158,000 ft³/s Jan. 6; maximum elevation, 4.84 ft Jan. 12; minimum daily discharge, 3,440 ft³/s Sept. 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 28400 | 29800 | 63900 | 130000 | 111000 | 115000 | 93800 | 92400 | 13600 | 12100 | 20800 | 16200 |
| 2 | 31600 | 27900 | 60800 | 123000 | 117000 | 110000 | 88900 | 88700 | 13300 | 14000 | 19800 | 12300 |
| 3 | 39900 | 28700 | 62100 | 126000 | 120000 | 107000 | 86700 | 83100 | 12300 | 15600 | 18800 | 11500 |
| 4 | 33800 | 18800 | 63000 | 136000 | 126000 | 116000 | 93400 | 80900 | 12600 | 16000 | 20400 | 14200 |
| 5 | 32700 | 10900 | 60000 | 139000 | 124000 | 118000 | 93400 | 79800 | 13800 | 16200 | 20200 | 24700 |
| 6 | 34200 | 24500 | 57200 | 152000 | 119000 | 118000 | 101000 | 76000 | 9620 | 16000 | 17700 | 16700 |
| 7 | 23500 | 28000 | 57600 | 150000 | 118000 | 114000 | 105000 | 75400 | 10600 | 16300 | 21300 | 16500 |
| 8 | 8730 | 28900 | 62300 | 139000 | 119000 | 108000 | 107000 | 67700 | 12600 | 15000 | 24900 | 17000 |
| 9 | 32100 | 29700 | 62600 | 144000 | 120000 | 111000 | 109000 | 68400 | e11000 | 11300 | 13900 | 15600 |
| 10 | 30000 | 46900 | 62200 | 144000 | 121000 | 117000 | 112000 | 65800 | e10000 | 11600 | 5110 | 13300 |
| 11 | 32300 | 30400 | 63400 | 148000 | 127000 | 115000 | 120000 | 65300 | e12000 | 13900 | 22500 | 17700 |
| 12 | 33300 | 25900 | 66000 | 146000 | 127000 | 112000 | 119000 | 61700 | e14000 | 8480 | 21400 | 17000 |
| 13 | 24900 | 34100 | 63600 | 120000 | 127000 | 116000 | 118000 | 58900 | e16000 | 9340 | 14100 | 12300 |
| 14 | 28000 | 32000 | 58200 | 128000 | 123000 | 119000 | 119000 | 59500 | e18000 | 12000 | 14800 | 10500 |
| 15 | 26600 | 31600 | 69000 | 143000 | 125000 | 117000 | 121000 | 58300 | e20000 | 10600 | 21400 | 8120 |
| 16 | 25700 | 25100 | 62500 | 139000 | 132000 | 120000 | 121000 | 55400 | e18000 | 13100 | 18800 | 5960 |
| 17 | 27800 | 61200 | 57500 | 132000 | 129000 | 116000 | 120000 | 51900 | e15000 | 16400 | 8320 | 7340 |
| 18 | 24800 | 64100 | 55400 | 121000 | 131000 | 123000 | 121000 | 35800 | e17000 | 12600 | 17500 | 15500 |
| 19 | 23400 | 66500 | 54000 | 114000 | 135000 | 113000 | 122000 | 21800 | e19000 | 14900 | 18100 | 11500 |
| 20 | 26300 | 65100 | 60300 | 118000 | 134000 | 110000 | 118000 | 15000 | e17000 | 18700 | 14300 | 14200 |
| 21 | 16600 | 66800 | 64200 | 119000 | 135000 | 109000 | 96400 | 10100 | e15000 | 20000 | 15600 | 14400 |
| 22 | 20600 | 71500 | 63700 | 114000 | 134000 | 112000 | 120000 | 9050 | e14000 | 17000 | 13200 | 14000 |
| 23 | 29800 | 72500 | 63400 | 114000 | 133000 | 115000 | 116000 | 11200 | e13000 | 16800 | 15200 | 3440 |
| 24 | 26900 | 69500 | 64700 | 114000 | 137000 | 112000 | 117000 | 8750 | 13700 | 18800 | 14500 | 10800 |
| 25 | 29800 | 70200 | 65000 | 119000 | 129000 | 104000 | 111000 | 8970 | 15300 | 13400 | 14200 | 15100 |
| 26 | 30300 | 67400 | 73100 | 117000 | 127000 | 98000 | 112000 | 14700 | 19500 | 13800 | 15300 | 13700 |
| 27 | 34800 | 66600 | 77100 | 116000 | 124000 | 112000 | 110000 | 13500 | 17300 | 11800 | 9360 | 8950 |
| 28 | 23500 | 69500 | 87600 | 120000 | 120000 | 108000 | 109000 | 15500 | 16000 | 14100 | 11000 | 14100 |
| 29 | 26300 | 64400 | 96900 | 124000 | 117000 | 101000 | 101000 | 15400 | 13000 | 18200 | 12900 | 16500 |
| 30 | 30900 | 64600 | 107000 | 125000 | --- | 108000 | 99200 | 14300 | 11400 | 19300 | 11400 | 13900 |
| 31 | 29600 | --- | 121000 | 111000 | --- | 101000 | --- | 14000 | --- | 21200 | 11000 | --- |
| TOTAL | 867130 | 1393100 | 2105300 | 3985000 | 3641000 | 3475000 | 3280800 | 1397270 | 433620 | 458520 | 497790 | 403010 |
| MEAN | 27970 | 46440 | 67910 | 128500 | 125600 | 112100 | 109400 | 45070 | 14450 | 14790 | 16060 | 13430 |
| MAX | 39900 | 72500 | 121000 | 152000 | 137000 | 123000 | 122000 | 92400 | 20000 | 21200 | 24900 | 24700 |
| MIN | 8730 | 10900 | 54000 | 111000 | 111000 | 98000 | 86700 | 8750 | 9620 | 8480 | 5110 | 3440 |
| AC-FT | 1720000 | 2763000 | 4176000 | 7904000 | 7222000 | 6893000 | 6507000 | 2771000 | 860100 | 909500 | 987400 | 799400 |

CAL YR 1987 TOTAL 24402130 MEAN 66860 MAX 150000 MIN 8730 AC-FT 48400000
WTR YR 1988 TOTAL 21937540 MEAN 59940 MAX 152000 MIN 3440 AC-FT 43510000

e Estimated.

## 07381590 WAX LAKE OUTLET AT CALUMET, LA--CONTINUED

### ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.33 | 1.48 | 1.65 | 3.39 | 4.14 | 3.30 | 3.32 | 3.33 | 1.89 | 1.62 | 1.49 | 1.47 |
| 2 | 1.80 | 1.56 | 1.88 | 3.51 | 4.29 | 3.48 | 3.37 | 3.33 | 1.71 | 1.49 | 1.41 | 1.68 |
| 3 | 1.14 | 1.61 | 1.95 | 3.89 | 4.18 | 3.98 | 3.55 | 3.23 | 1.72 | 1.40 | 1.33 | 2.05 |
| 4 | 1.27 | 1.82 | 1.77 | 3.94 | 3.98 | 3.55 | 3.30 | 2.84 | 1.66 | 1.31 | 1.43 | 2.26 |
| 5 | 1.67 | 1.74 | 1.80 | 4.01 | 3.62 | 3.29 | 3.18 | 2.46 | 1.27 | 1.19 | 1.33 | 1.39 |
| 6 | 1.52 | 1.18 | 2.16 | 4.24 | 3.43 | 3.22 | 2.96 | 2.31 | 1.34 | 1.34 | 1.56 | 1.49 |
| 7 | 1.24 | 1.76 | 2.51 | 4.57 | 3.54 | 3.14 | 2.94 | 2.25 | 1.49 | 1.58 | 1.38 | 1.48 |
| 8 | 1.39 | 2.01 | 2.24 | 4.43 | 3.48 | 3.28 | 3.17 | 2.55 | 1.44 | 1.69 | .52 | 1.69 |
| 9 | 1.59 | 2.29 | 2.19 | 4.60 | 3.53 | 3.28 | 3.32 | 2.39 | 1.56 | 1.97 | 1.14 | 1.80 |
| 10 | 1.37 | 1.06 | 1.98 | 4.59 | 3.65 | 3.11 | 3.39 | 2.03 | 1.13 | 1.98 | 2.06 | 2.03 |
| 11 | 1.43 | .37 | 1.99 | 4.65 | 3.74 | 3.31 | 3.26 | 1.78 | 1.28 | 1.78 | 1.71 | 1.93 |
| 12 | .69 | .97 | 2.02 | 4.75 | 3.60 | 3.33 | 3.17 | 1.59 | 1.59 | 1.86 | 1.35 | 1.88 |
| 13 | .82 | 1.14 | 2.13 | 4.62 | 3.75 | 3.12 | 3.31 | 1.77 | 1.79 | 1.72 | 1.51 | 1.85 |
| 14 | 1.48 | 1.52 | 2.61 | 4.45 | 3.94 | 2.97 | 3.46 | 1.75 | 1.79 | 1.48 | 1.63 | 1.86 |
| 15 | 1.48 | 1.93 | 1.91 | 4.40 | 4.14 | 3.03 | 3.65 | 1.70 | 1.65 | 1.33 | 1.34 | 2.30 |
| 16 | 1.55 | 2.87 | 1.28 | 4.29 | 4.02 | 3.24 | 3.82 | 1.68 | 1.48 | 1.21 | 1.06 | 2.85 |
| 17 | 1.34 | 2.08 | 1.47 | 4.29 | 4.21 | 3.49 | 4.00 | 1.52 | 1.34 | 1.16 | 1.52 | 2.87 |
| 18 | 1.28 | 2.05 | 1.80 | 4.13 | 4.41 | 3.65 | 4.24 | 1.45 | 1.28 | 1.23 | 1.38 | 2.26 |
| 19 | 1.48 | 2.04 | 2.14 | 4.34 | 4.42 | 3.17 | 3.90 | 1.53 | 1.35 | 1.57 | 1.12 | 2.14 |
| 20 | 1.59 | 1.72 | 2.18 | 4.01 | 4.26 | 3.24 | 3.95 | 1.57 | 1.32 | 1.50 | 1.24 | 1.87 |
| 21 | .56 | 1.83 | 2.02 | 3.43 | 4.12 | 3.20 | 4.08 | 2.09 | 1.38 | 1.18 | 1.18 | 1.67 |
| 22 | 1.43 | 2.21 | 2.20 | 3.31 | 4.08 | 3.13 | 4.06 | 2.53 | 1.54 | .98 | 1.27 | 1.70 |
| 23 | 1.64 | 2.33 | 2.14 | 3.25 | 3.97 | 3.25 | 3.96 | 1.92 | 1.42 | .94 | 1.34 | 1.73 |
| 24 | 1.74 | 2.42 | 2.30 | 3.36 | 3.71 | 3.29 | 3.78 | 1.59 | 1.88 | .93 | 1.34 | 1.90 |
| 25 | 1.58 | 2.51 | 2.40 | 3.05 | 3.73 | 3.22 | 3.81 | .84 | 1.98 | 1.12 | 1.33 | 1.59 |
| 26 | 1.74 | 2.41 | 2.35 | 3.06 | 3.61 | 3.14 | 3.59 | 1.11 | 1.41 | 1.09 | 1.39 | 1.26 |
| 27 | 1.15 | 2.05 | 2.20 | 3.21 | 3.47 | 3.03 | 3.38 | 1.52 | 1.43 | 1.20 | 1.64 | 1.40 |
| 28 | 1.11 | 1.52 | 1.83 | 3.39 | 3.40 | 3.06 | 3.21 | 1.74 | 1.45 | 1.34 | 1.65 | 1.52 |
| 29 | 1.46 | 1.82 | 1.95 | 3.57 | 3.34 | 3.03 | 3.52 | 1.83 | 1.49 | 1.48 | 1.48 | 1.64 |
| 30 | 1.45 | 1.90 | 2.55 | 3.83 | --- | 3.08 | 3.55 | 1.93 | 1.63 | 1.54 | 1.24 | 2.07 |
| 31 | 1.47 | --- | 3.17 | 3.93 | --- | 3.02 | --- | 1.93 | --- | 1.55 | 1.43 | --- |
| MAX | 1.80 | 2.87 | 3.17 | 4.75 | 4.42 | 3.98 | 4.24 | 3.33 | 1.98 | 1.98 | 2.06 | 2.87 |
| MIN | .56 | .37 | 1.28 | 3.05 | 3.34 | 2.97 | 2.94 | .84 | 1.13 | .93 | .52 | 1.26 |

## 07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1956, 1959-60, 1973 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to September 1984.
CHLORIDE-SURFACE: October 1974 to September 1984.
CHLORIDE-25 FT DEPTH: December 1980 to September 1984.
CHLORIDE-45 FT DEPTH: December 1980 to September 1984.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 33.0°C July 20, 1978; minimum daily, 2.0°C Jan. 4, 5, 1984.
CHLORIDE-SURFACE: Maximum daily, 150 mg/L June 13, 14, 1977; minimum daily, 9.1 mg/L Apr. 15, 1976.
CHLORIDE-25 FT DEPTH: Maximum daily, 110 mg/L Nov. 5, 7, 8, 10, 11, 1981; minimum daily, 12 mg/L May 27, 1984.
CHLORIDE-45 FT DEPTH: Maximum daily, 110 mg/L Mar. 8, Nov. 5, 7, 8, 10, 11, 1981; minimum daily, 12 mg/L May 27, 28, 1984.

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | STREAM-FLOW, INSTAN-TANEOUS (CFS) | SPE-CIFIC CON-DUCT-ANCE (US/CM) | PH (STAND-ARD UNITS) | TEMPER-ATURE WATER (DEG C) | COLOR (PLAT-INUM-COBALT UNITS) | TUR-BID-ITY (NTU) | SETTLE-ABLE MATTER (ML/L/HR) | OXYGEN, DIS-SOLVED (MG/L) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) | OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 20... | 1230 | 35000 | 596 | 8.00 | 23.5 | 5 | 35 | <1 | 7.8 | 0.8 | 68 |
| NOV | | | | | | | | | | | |
| 23... | 1330 | 78700 | 225 | 7.70 | 16.5 | 160 | 90 | <1 | 6.1 | 1.5 | 19 |
| DEC | | | | | | | | | | | |
| 15... | 1200 | 72500 | 286 | 7.70 | 12.0 | 60 | 56 | <1 | 9.9 | -- | 100 |
| JAN 1988 | | | | | | | | | | | |
| 21... | 1000 | 120000 | 253 | 7.30 | 7.0 | 50 | 110 | <1 | 10.7 | 1.6 | 11 |
| FEB | | | | | | | | | | | |
| 23... | 1245 | 124000 | 287 | 7.70 | 10.0 | 40 | 85 | <1 | 10.5 | 2.5 | 11 |
| MAR | | | | | | | | | | | |
| 22... | 1245 | 108000 | 344 | 7.70 | 12.5 | 20 | 75 | <1 | -- | -- | 25 |
| APR | | | | | | | | | | | |
| 18... | 1230 | 123000 | 375 | 7.81 | 19.0 | 30 | 90 | <1 | 7.4 | 0.2 | <10 |
| MAY | | | | | | | | | | | |
| 18... | 1200 | 35800 | 489 | 8.00 | 24.5 | 10 | 10 | <1 | 7.8 | 1.3 | 56 |
| JUN | | | | | | | | | | | |
| 21... | 1230 | 15300 | 570 | 7.52 | 27.0 | 10 | 5.0 | <1 | 7.7 | 1.4 | <10 |
| JUL | | | | | | | | | | | |
| 20... | 1445 | 25300 | 564 | 8.00 | 30.0 | 5 | 7.5 | <1 | 6.9 | 0.8 | 20 |
| AUG | | | | | | | | | | | |
| 23... | 1330 | 24200 | 530 | 8.10 | 31.0 | 5 | 4.5 | <1 | 6.1 | 0.6 | 17 |
| SEP | | | | | | | | | | | |
| 21... | 1300 | 24000 | 532 | 8.03 | 30.0 | 5 | 8.5 | <1 | 7.0 | 1.2 | 14 |

< Actual value is known to be less than the value shown.

## 07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML) | COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) | HARD- NESS TOTAL (MG/L AS CACO3) | CALCIUM DIS- SOLVED (MG/L AS CA) | MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) | SODIUM, DIS- SOLVED (MG/L AS NA) | POTAS- SIUM, DIS- SOLVED (MG/L AS K) | ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DIS- SOLVED (MG/L AS SO4) | CHLO- RIDE, DIS- SOLVED (MG/L AS CL) | RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987<br>20... | K100 | <2 | 190 | 46 | 18 | 42 | 4.0 | 149 | 65 | 58 | 29 |
| NOV<br>23... | 700 | 54 | 60 | 17 | 4.3 | 18 | 2.9 | 51 | 16 | 27 | 421 |
| DEC<br>15... | 1600 | 92 | 88 | 22 | 8.0 | 19 | 3.3 | 69 | 25 | 20 | 151 |
| JAN 1988<br>21... | 540 | 88 | 82 | 23 | 6.0 | 16 | 2.6 | 51 | 28 | 25 | 367 |
| FEB<br>23... | 440 | 40 | 100 | 28 | 8.0 | 18 | 2.8 | 68 | 34 | 25 | 210 |
| MAR<br>22... | 330 | 28 | 110 | 30 | 8.5 | 22 | 2.5 | 74 | 40 | 34 | 270 |
| APR<br>18... | 750 | -- | 130 | 35 | 10 | 24 | 3.0 | 82 | 44 | 32 | 303 |
| MAY<br>18... | K65 | K4 | 170 | 45 | 15 | 30 | 3.4 | 130 | 57 | 36 | 2 |
| JUN<br>21... | K50 | K10 | 180 | 44 | 18 | 36 | 3.8 | 144 | 72 | 40 | 5 |
| JUL<br>20... | 300 | K6 | 170 | 40 | 16 | 41 | 4.2 | 148 | 64 | 43 | 10 |
| AUG<br>23... | 100 | K8 | 170 | 42 | 16 | 37 | 4.4 | 132 | 69 | 34 | 16 |
| SEP<br>21... | K70 | K14 | 180 | 47 | 16 | 34 | 4.4 | 128 | 65 | 42 | 30 |

| DATE | NITRO- GEN, NITRITE TOTAL (MG/L AS N) | NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) | NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) | PHOS- PHOROUS TOTAL (MG/L AS P) | ARSENIC TOTAL (UG/L AS AS) | ARSENIC DIS- SOLVED (UG/L AS AS) | BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) | BERYL- LIUM, DIS- SOLVED (UG/L AS BE) | CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) | CADMIUM DIS- SOLVED (UG/L AS CD) | CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987<br>20... | 0.01 | 0.99 | 0.38 | 0.13 | 2 | 2 | <10 | <10 | <1 | <1 | <10 |
| NOV<br>23... | 0.06 | 0.35 | 0.54 | 0.36 | 5 | <1 | <10 | <10 | <1 | 1 | <10 |
| DEC<br>15... | 0.02 | 0.37 | 0.88 | 0.18 | 2 | -- | <10 | -- | 1 | -- | <10 |
| JAN 1988<br>21... | 0.03 | 0.45 | 0.78 | 0.21 | 2 | <1 | <10 | <10 | 4 | 1 | <10 |
| FEB<br>23... | 0.03 | 0.83 | 0.32 | 0.28 | <1 | <1 | <10 | <10 | 2 | <1 | <10 |
| MAR<br>22... | 0.04 | 0.98 | 0.57 | 0.29 | 1 | <1 | <10 | <10 | <1 | <1 | <10 |
| APR<br>18... | 0.01 | 0.98 | 0.37 | 0.32 | 2 | <1 | <10 | <10 | 3 | <1 | <10 |
| MAY<br>18... | 0.01 | 0.81 | 0.27 | 0.11 | 2 | 1 | <10 | <10 | <1 | <1 | <10 |
| JUN<br>21... | 0.01 | 0.37 | 0.70 | 0.07 | 1 | 1 | <10 | <10 | 2 | <1 | <10 |
| JUL<br>20... | 0.01 | 0.47 | <0.20 | 0.09 | 2 | 2 | <10 | <10 | 1 | <1 | <10 |
| AUG<br>23... | <0.01 | 0.32 | 0.28 | 0.09 | 2 | 2 | <10 | <10 | <1 | <1 | <10 |
| SEP<br>21... | <0.01 | 0.34 | 0.44 | 0.16 | 3 | 2 | <10 | <10 | <1 | <1 | <10 |

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal colony count).

## 07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) | COPPER, DISSOLVED (UG/L AS CU) | IRON, DISSOLVED (UG/L AS FE) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) | LEAD, DISSOLVED (UG/L AS PB) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) | MERCURY DISSOLVED (UG/L AS HG) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) | NICKEL, DISSOLVED (UG/L AS NI) | SELENIUM, TOTAL (UG/L AS SE) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 20... | <1 | 9 | 5 | <8 | <5 | <5 | <0.1 | <0.1 | 2 | 2 | <1 |
| NOV | | | | | | | | | | | |
| 23... | <1 | 20 | 5 | 10 | 10 | <5 | <0.1 | <0.1 | 10 | <1 | <1 |
| DEC | | | | | | | | | | | |
| 15... | <1 | 10 | -- | 30 | 6 | -- | <0.1 | <0.1 | 8 | -- | <1 |
| JAN 1988 | | | | | | | | | | | |
| 21... | <1 | 10 | 6 | 80 | 9 | <5 | <0.1 | <0.1 | 8 | 1 | <1 |
| FEB | | | | | | | | | | | |
| 23... | <1 | 10 | 6 | 60 | 9 | <5 | -- | -- | 8 | 7 | <1 |
| MAR | | | | | | | | | | | |
| 22... | <1 | 10 | 5 | 190 | 6 | <5 | <0.1 | <0.1 | 4 | 3 | <1 |
| APR | | | | | | | | | | | |
| 18... | <1 | 10 | 4 | 130 | 40 | <5 | <0.1 | <0.1 | 7 | <1 | <1 |
| MAY | | | | | | | | | | | |
| 18... | <1 | 6 | 5 | 90 | <5 | <5 | <0.1 | <0.1 | 5 | 4 | <1 |
| JUN | | | | | | | | | | | |
| 21... | <1 | 5 | 5 | 90 | 7 | <5 | <0.1 | <0.1 | 3 | <1 | <1 |
| JUL | | | | | | | | | | | |
| 20... | <1 | 6 | 4 | 90 | 5 | <5 | 0.1 | 0.1 | 5 | 1 | <1 |
| AUG | | | | | | | | | | | |
| 23... | 2 | 7 | 5 | 30 | 10 | <5 | <0.1 | <0.1 | 3 | <1 | <1 |
| SEP | | | | | | | | | | | |
| 21... | <1 | 7 | 4 | 20 | <5 | <5 | 0.3 | <0.1 | 1 | <1 | <1 |

| DATE | SELENIUM, DISSOLVED (UG/L AS SE) | VANADIUM, DISSOLVED (UG/L AS V) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) | ZINC, DISSOLVED (UG/L AS ZN) | CARBON, ORGANIC TOTAL (MG/L AS C) | CYANIDE TOTAL (MG/L AS CN) | PHENOLS TOTAL (UG/L) | OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L) | PCB, TOTAL (UG/L) | NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) | ALDRIN, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 20... | <1 | <1 | 10 | 10 | 4.6 | <0.01 | 2 | 1 | <0.1 | <1 | <0.01 |
| NOV | | | | | | | | | | | |
| 23... | <1 | <1 | 40 | 10 | 10 | <0.01 | 9 | -- | <0.1 | <0.1 | <0.01 |
| DEC | | | | | | | | | | | |
| 15... | -- | <1 | 20 | -- | 7.7 | <0.01 | 3 | 2 | <0.1 | <0.1 | <0.01 |
| JAN 1988 | | | | | | | | | | | |
| 21... | <1 | <1 | 30 | <10 | 9.6 | <0.01 | 8 | 4 | <0.1 | <0.1 | <0.01 |
| FEB | | | | | | | | | | | |
| 23... | <1 | <1 | 40 | 10 | 9.5 | <0.01 | 1 | 1 | <0.1 | <0.1 | <0.01 |
| MAR | | | | | | | | | | | |
| 22... | <1 | -- | 30 | 10 | 8.9 | <0.01 | 6 | 3 | <0.1 | <0.1 | <0.01 |
| APR | | | | | | | | | | | |
| 18... | <1 | <1 | 70 | <10 | -- | <0.01 | 8 | 2 | <0.1 | <0.1 | <0.01 |
| MAY | | | | | | | | | | | |
| 18... | <1 | <1 | 10 | 10 | 5.0 | <0.01 | 7 | 2 | <0.1 | <0.1 | <0.01 |
| JUN | | | | | | | | | | | |
| 21... | <1 | <1 | 10 | 10 | 3.7 | <0.01 | 4 | 2 | <0.1 | <0.1 | <0.01 |
| JUL | | | | | | | | | | | |
| 20... | <1 | <1 | 10 | <10 | 5.4 | <0.01 | 2 | <1 | <0.1 | <0.1 | <0.01 |
| AUG | | | | | | | | | | | |
| 23... | <1 | 1 | 20 | <10 | 3.8 | -- | <1 | 2 | <0.1 | <0.1 | <0.01 |
| SEP | | | | | | | | | | | |
| 21... | <1 | 2 | 20 | 10 | 4.5 | <0.01 | <1 | 1 | <0.1 | <0.1 | 0.02 |

< Actual value is known to be less than the value shown.

## 07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | CHLOR-DANE, TOTAL (UG/L) | DDD, TOTAL (UG/L) | DDE, TOTAL (UG/L) | DDT, TOTAL (UG/L) | DI-AZINON, TOTAL (UG/L) | DI-ELDRIN TOTAL (UG/L) | ENDO-SULFAN, TOTAL (UG/L) | ENDRIN, TOTAL (UG/L) | ETHION, TOTAL (UG/L) | HEPTA-CHLOR, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987<br>20... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| NOV<br>23... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| DEC<br>15... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| JAN 1988<br>21... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| FEB<br>23... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| MAR<br>22... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| APR<br>18... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| MAY<br>18... | <0.01 | <0.01 | <0.01 | <0.01 | 0.02 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| JUN<br>21... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| JUL<br>20... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| AUG<br>23... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| SEP<br>21... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |

| DATE | HEPTA-CHLOR EPOXIDE TOTAL (UG/L) | LINDANE TOTAL (UG/L) | MALA-THION, TOTAL (UG/L) | METH-OXY-CHLOR, TOTAL (UG/L) | METHYL PARA-THION, TOTAL (UG/L) | METHYL TRI-THION, TOTAL (UG/L) | MIREX, TOTAL (UG/L) | PARA-THION, TOTAL (UG/L) | PER-THANE TOTAL (UG/L) | TOX-APHENE, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987<br>20... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.03 | <0.01 | 0.02 | <0.01 | <0.5 |
| NOV<br>23... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.5 |
| DEC<br>15... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.5 |
| JAN 1988<br>21... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.5 |
| FEB<br>23... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | -- | <0.01 | <0.01 | <0.01 | <0.5 |
| MAR<br>22... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.5 |
| APR<br>18... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.5 |
| MAY<br>18... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.5 |
| JUN<br>21... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.5 |
| JUL<br>20... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.5 |
| AUG<br>23... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.5 |
| SEP<br>21... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.5 |

< Actual value is known to be less than the value shown.

## 07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TOTAL TRI-THION (UG/L) | 2,4-D, TOTAL (UG/L) | 2, 4-DP TOTAL (UG/L) | 2,4,5-T TOTAL (UG/L) | SILVEX, TOTAL (UG/L) | CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) | CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) | SEDI-MENT, SUS-PENDED (MG/L) | SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 20... | <0.01 | 0.3 | <0.1 | <0.1 | <0.1 | 4.4 | 0.2 | 114 | 10800 | 100 |
| NOV | | | | | | | | | | |
| 23... | <0.01 | 0.2 | 0.3 | 0.1 | <0.1 | 3.5 | 0.3 | 445 | 95000 | 99 |
| DEC | | | | | | | | | | |
| 15... | <0.01 | 0.2 | <0.1 | <0.1 | <0.1 | 1.3 | 0.1 | 247 | 47900 | 93 |
| JAN 1988 | | | | | | | | | | |
| 21... | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 0.3 | <0.1 | 488 | 158000 | 86 |
| FEB | | | | | | | | | | |
| 23... | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 2.0 | 0.2 | 348 | 117000 | 76 |
| MAR | | | | | | | | | | |
| 22... | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 3.7 | 0.3 | 309 | 90100 | 86 |
| APR | | | | | | | | | | |
| 18... | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 3.1 | 0.2 | 411 | 137000 | 84 |
| MAY | | | | | | | | | | |
| 18... | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 23 | 0.7 | 83 | 8090 | 99 |
| JUN | | | | | | | | | | |
| 21... | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 6.7 | 0.5 | -- | 4630 | 99 |
| JUL | | | | | | | | | | |
| 20... | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 7.0 | 0.6 | -- | -- | -- |
| AUG | | | | | | | | | | |
| 23... | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 4.5 | 0.2 | -- | -- | -- |
| SEP | | | | | | | | | | |
| 21... | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 5.5 | 0.4 | -- | -- | -- |

< Actual value is known to be less than the value shown.

## 07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA
(National stream-quality accounting network station)

LOCATION.--Lat 29°42'09", long 91°12'07", on line between lots 1 and 6, St. Mary Parish, Hydrologic Unit 08080101 near center of span on downstream side of Southern Railways System bridge at Morgan City, 0.3 mi downstream from U.S. Highway 90, 0.3 mi upstream from Bayou Boeuf, and 1.0 mi southwest of Morgan City High School.

DRAINAGE AREA.--Indeterminate.

### WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1973 to September 1975 (discharge measurements only), October 1976 to current year elevations and discharge measurements only). Gage heights, 1905 to December 1975 and discharge, intermittently, 1927 to December 1975 (collected in same vicinity) are in reports of Corps of Engineers, New Orleans district, and National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is NGVD (National Geodetic Vertical Datum of 1929). Prior to October 1984 at datum 0.34 ft higher and prior to July 1983 at 0.17 ft higher. Prior to October 1981 at NGVD.

REMARKS.--Discharge and elevation affected by tide at all stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 7.11 ft June 7, 1983, from Corps of Engineers records; minimum, -0.94 ft Nov. 29, 1976.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 28, 1973, reached an elevation of 10.53 ft, from incomplete record, discharge not determined. Maximum discharge observed during flood of June 8, 1927, 741,000 ft³/s. Minimum elevation, -5.44 Aug. 25, 1926 (affected by storm). All data from records of Corps of Engineers, New Orleans district.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 4.68 ft Feb. 19; minimum, undetermined.

### DISCHARGE MEASUREMENTS MADE DURING YEAR

| Date | Discharge (ft³/s) | Date | Discharge (ft³/s) | Date | Discharge (ft³/s) |
|---|---|---|---|---|---|
| Oct. 21, 1987...... | 85,100 | Feb. 24............ | 214,000 | July 21............ | 53,200 |
| Nov. 24............ | 136,000 | Mar. 23............ | 143,000 | Aug. 24............ | 38,800 |
| Dec. 16............ | 119,000 | Apr. 19............ | 194,000 | Sept. 22............ | 48,700 |
| Jan. 20, 1988...... | 194,000 | May 19............ | 57,100 | | |

### ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | --- | 1.38 | 1.71 | 3.10 | 4.04 | 3.55 | 3.52 | 3.72 | 1.99 | 1.70 | 1.55 | 1.52 |
| 2 | 1.77 | 1.48 | 1.85 | 3.25 | 4.22 | 3.63 | 3.65 | 3.67 | 1.87 | 1.58 | 1.46 | 1.68 |
| 3 | 1.22 | 1.51 | 1.92 | 3.58 | 4.19 | 4.07 | 3.75 | 3.57 | 1.88 | 1.49 | 1.39 | 2.06 |
| 4 | 1.20 | 1.71 | 1.79 | 3.65 | 4.09 | 3.84 | 3.58 | 3.34 | 1.79 | 1.38 | 1.52 | 2.43 |
| 5 | 1.59 | 1.73 | 1.74 | 3.71 | 3.86 | 3.62 | 3.48 | 3.01 | 1.57 | 1.29 | 1.48 | 1.62 |
| 6 | 1.51 | 1.14 | 2.04 | 3.89 | 3.74 | 3.55 | 3.36 | 2.82 | 1.51 | 1.33 | 1.73 | 1.64 |
| 7 | 1.23 | 1.64 | 2.41 | 4.21 | 3.79 | 3.44 | 3.29 | 2.68 | 1.59 | 1.57 | 1.73 | 1.55 |
| 8 | 1.27 | 1.88 | 2.21 | 4.14 | 3.71 | 3.50 | 3.38 | 2.77 | 1.59 | 1.71 | .96 | 1.74 |
| 9 | 1.46 | 2.19 | 2.20 | 4.32 | 3.71 | 3.54 | 3.48 | 2.69 | 1.70 | 1.98 | 1.30 | 1.80 |
| 10 | 1.25 | 1.28 | 2.03 | 4.34 | 3.77 | 3.41 | 3.55 | 2.42 | 1.38 | 2.05 | 2.06 | 2.14 |
| 11 | 1.40 | .40 | 2.01 | 4.40 | 3.85 | 3.48 | 3.56 | 2.18 | 1.35 | 1.89 | 1.80 | 1.98 |
| 12 | .76 | .83 | 2.04 | 4.51 | 3.76 | 3.52 | 3.51 | 2.03 | 1.60 | 1.89 | 1.45 | 1.91 |
| 13 | .74 | 1.04 | 2.07 | 4.47 | 3.84 | 3.37 | 3.51 | 2.01 | 1.75 | 1.78 | 1.49 | 1.87 |
| 14 | 1.35 | 1.37 | 2.50 | 4.36 | 3.98 | 3.28 | 3.61 | 2.01 | 1.80 | 1.54 | 1.60 | 1.86 |
| 15 | 1.35 | 1.72 | 2.14 | 4.35 | 4.24 | 3.24 | 3.75 | 1.96 | 1.70 | 1.39 | 1.43 | 2.25 |
| 16 | 1.44 | 2.66 | 1.48 | 4.29 | 4.12 | 3.34 | 3.92 | 1.93 | 1.58 | 1.32 | 1.15 | 2.75 |
| 17 | 1.30 | 2.11 | 1.50 | 4.29 | 4.27 | 3.49 | 4.07 | 1.81 | 1.45 | 1.24 | 1.50 | 2.82 |
| 18 | 1.21 | 1.96 | 1.75 | 4.15 | 4.45 | 3.71 | 4.28 | 1.70 | 1.40 | 1.30 | 1.44 | 2.35 |
| 19 | 1.39 | 2.00 | 2.04 | 4.35 | 4.54 | 3.39 | 4.08 | 1.76 | 1.44 | 1.62 | 1.23 | 2.24 |
| 20 | 1.52 | 1.74 | 2.15 | 4.11 | 4.40 | 3.41 | 4.10 | 1.79 | 1.33 | 1.53 | 1.33 | 2.01 |
| 21 | --- | 1.75 | 2.03 | 3.71 | 4.29 | 3.37 | 4.20 | 2.19 | 1.36 | 1.32 | 1.33 | 1.83 |
| 22 | 1.22 | 2.06 | 2.21 | 3.55 | 4.25 | 3.32 | 4.21 | 2.57 | 1.55 | 1.09 | 1.35 | 1.82 |
| 23 | 1.49 | 2.21 | 2.12 | 3.46 | 4.17 | 3.38 | 4.18 | 2.25 | 1.46 | 1.07 | 1.46 | 1.82 |
| 24 | 1.61 | 2.28 | 2.26 | 3.50 | 3.95 | 3.43 | 4.07 | 1.96 | 1.78 | 1.08 | 1.49 | 1.95 |
| 25 | 1.48 | 2.41 | 2.36 | 3.31 | 3.93 | 3.42 | 4.09 | 1.45 | 2.01 | 1.22 | 1.43 | 1.70 |
| 26 | 1.67 | 2.41 | 2.36 | 3.22 | 3.85 | 3.36 | 3.93 | 1.39 | 1.54 | 1.21 | 1.46 | 1.40 |
| 27 | 1.25 | 2.12 | 2.26 | 3.25 | 3.73 | 3.26 | 3.80 | 1.64 | 1.58 | 1.31 | 1.65 | 1.47 |
| 28 | 1.03 | 1.73 | 2.00 | 3.34 | 3.66 | 3.26 | 3.65 | 1.82 | 1.57 | 1.42 | 1.64 | 1.59 |
| 29 | 1.36 | 1.81 | 1.98 | 3.46 | 3.61 | 3.25 | 3.79 | 1.92 | 1.60 | 1.53 | 1.49 | 1.70 |
| 30 | 1.38 | 1.92 | 2.33 | 3.66 | --- | 3.39 | 3.83 | 2.00 | 1.73 | 1.59 | 1.30 | 2.08 |
| 31 | 1.36 | --- | 2.82 | 3.81 | --- | 3.30 | --- | 2.00 | --- | 1.63 | 1.43 | --- |
| MAX | --- | 2.66 | 2.82 | 4.51 | 4.54 | 4.07 | 4.28 | 3.72 | 2.01 | 2.05 | 2.06 | 2.82 |
| MIN | .74 | .40 | 1.48 | 3.10 | 3.61 | 3.24 | 3.29 | 1.39 | 1.33 | 1.07 | .96 | 1.40 |

## 07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

### WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959, 1973 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1978 to September 1981.
WATER TEMPERATURES: October 1976 to September 1984.
CHLORIDE-SURFACE: October 1974 to September 1984.
CHLORIDE-25 FT DEPTH: October 1980 to September 1984.
CHLORIDE-45 FT DEPTH: October 1980 to September 1984.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 622 micromhos Jan. 21, 1981; minimum daily, 179 micromhos Feb. 23, 1979.
WATER TEMPERATURES: Maximum daily, 32.0°C July 28, 1977; minimum daily, 4.0°C Feb. 9-11, 1978.
CHLORIDE-SURFACE: Maximum daily, 160 mg/L June 14-16, 1977; minimum daily, 11 mg/L Jan. 6, May 10, 1975.
CHLORIDE-25 FT DEPTH: Maximum daily, 120 mg/L Nov. 5, 1981; minimum daily, 16 mg/L Dec. 26, 29, 1982, many days during Jan., Feb.14, 1983.
CHLORIDE-45 FT DEPTH: Maximum daily, 130 mg/L Dec. 9, 1981; minimum daily, 14 mg/L Jan. 26, Mar. 1, May 27, 1983.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--
A specific conductance of 644 microsiemens was observed June 17, 1987. A water temperature of 32.0°C was observed Aug. 6, 1987.

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | STREAM-FLOW, INSTAN-TANEOUS (CFS) | SPE-CIFIC CON-DUCT-ANCE (US/CM) | PH (STAND-ARD UNITS) | TEMPER-ATURE WATER (DEG C) | COLOR (PLAT-INUM-COBALT UNITS) | TUR-BID-ITY (NTU) | SETTLE-ABLE MATTER (ML/L/HR) | OXYGEN, DIS-SOLVED (MG/L) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) | OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) | COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | | |
| 21... | 0900 | 85100 | 597 | 7.80 | 20.0 | 5 | 18 | <1 | 8.1 | 0.9 | 56 | 86 |
| NOV | | | | | | | | | | | | |
| 24... | 0845 | 136000 | 223 | 7.70 | 16.0 | 160 | 95 | <1 | 6.0 | 1.4 | 26 | 110 |
| DEC | | | | | | | | | | | | |
| 16... | 0915 | 119000 | 298 | 7.60 | 12.0 | 90 | 54 | <1 | 9.6 | -- | 85 | 640 |
| JAN 1988 | | | | | | | | | | | | |
| 20... | 1130 | 194000 | 249 | 7.30 | 7.5 | 60 | 93 | <1 | 10.5 | 1.4 | <10 | 1400 |
| FEB | | | | | | | | | | | | |
| 24... | 0830 | 214000 | 289 | 7.70 | 12.0 | 30 | 63 | <1 | 10.4 | 1.8 | 15 | -- |
| MAR | | | | | | | | | | | | |
| 23... | 0845 | 143000 | 346 | 7.60 | 14.5 | 20 | 65 | <1 | 9.8 | 1.7 | 16 | 280 |
| APR | | | | | | | | | | | | |
| 19... | 0900 | 194000 | 387 | 7.72 | 19.0 | 20 | 88 | <1 | 7.5 | 0.9 | <10 | 400 |
| MAY | | | | | | | | | | | | |
| 19... | 0900 | 57100 | 483 | 8.10 | 23.5 | 15 | 30 | <1 | 8.2 | 1.3 | 15 | 60 |
| JUN | | | | | | | | | | | | |
| 22... | 0845 | -- | 569 | 7.45 | 29.0 | 10 | 6.5 | <1 | 7.3 | 0.8 | 10 | K20 |
| JUL | | | | | | | | | | | | |
| 21... | 0830 | 53200 | 575 | 8.20 | 30.0 | 5 | 11 | <1 | 6.9 | 2.5 | 33 | K25 |
| AUG | | | | | | | | | | | | |
| 24... | 0830 | 38800 | 545 | 8.09 | 28.5 | 5 | 7.0 | <1 | 5.7 | 1.2 | 14 | 120 |
| SEP | | | | | | | | | | | | |
| 22... | 0945 | 48700 | 536 | 7.79 | 29.0 | 10 | 8.6 | <1 | 5.9 | 1.3 | 17 | K70 |

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal colony count).

## 07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) | STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) | HARD-NESS TOTAL (MG/L AS CACO3) | CALCIUM DIS-SOLVED (MG/L AS CA) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) | SODIUM, DIS-SOLVED (MG/L AS NA) | POTAS-SIUM, DIS-SOLVED (MG/L AS K) | ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DIS-SOLVED (MG/L AS SO4) | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) | FLUO-RIDE, DIS-SOLVED (MG/L AS F) | SILICA, DIS-SOLVED (MG/L AS SIO2) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987<br>21... | K50 | K14 | 210 | 54 | 17 | 45 | 4.3 | 144 | 70 | 49 | 0.3 | 6.2 |
| NOV<br>24... | 70 | 140 | 63 | 18 | 4.5 | 18 | 2.7 | 50 | 15 | 26 | -- | -- |
| DEC<br>16... | 220 | 94 | 90 | 24 | 7.4 | 19 | 3.3 | 68 | 36 | 24 | 0.2 | 6.4 |
| JAN 1988<br>20... | 120 | 120 | 85 | 24 | 6.0 | 16 | 2.7 | 51 | 28 | 22 | -- | -- |
| FEB<br>24... | 80 | 250 | 100 | 27 | 7.8 | 18 | 2.7 | 67 | 36 | 22 | 0.2 | 6.3 |
| MAR<br>23... | 84 | 60 | 110 | 31 | 8.5 | 22 | 2.5 | 74 | 39 | 33 | -- | -- |
| APR<br>19... | 110 | 80 | 130 | 34 | 10 | 25 | 2.3 | 81 | 55 | 32 | 0.2 | 6.2 |
| MAY<br>19... | K6 | 62 | 170 | 45 | 14 | 28 | 3.3 | 125 | 55 | 35 | -- | -- |
| JUN<br>22... | K20 | K2 | 210 | 52 | 19 | 36 | 3.4 | 149 | 76 | 33 | 0.3 | 1.6 |
| JUL<br>21... | K4 | K13 | 190 | 49 | 17 | -- | -- | 152 | 68 | 38 | -- | -- |
| AUG<br>24... | K22 | K18 | 190 | 46 | 17 | 38 | 3.5 | 141 | 71 | 39 | 0.2 | 1.6 |
| SEP<br>22... | K17 | K15 | 180 | 47 | 15 | 38 | 4.5 | 126 | 65 | 42 | -- | -- |

| DATE | SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) | SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) | RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) | NITRO-GEN, NITRITE TOTAL (MG/L AS N) | NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) | NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) | NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) | NITRO-GEN, AMMONIA TOTAL (MG/L AS N) | NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) | NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) | NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) | PHOS-PHOROUS TOTAL (MG/L AS P) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987<br>21... | 343 | 336 | 41 | <0.01 | <0.01 | 0.9 | 0.90 | 0.03 | 0.02 | 0.7 | <0.2 | 0.09 |
| NOV<br>24... | -- | -- | 380 | 0.05 | -- | 0.32 | -- | -- | -- | -- | 0.32 | 0.36 |
| DEC<br>16... | 174 | 155 | 101 | 0.03 | <0.01 | 0.4 | 0.34 | 0.05 | 0.05 | 0.9 | 0.6 | 0.08 |
| JAN 1988<br>20... | -- | -- | 259 | 0.05 | -- | 0.60 | -- | -- | -- | -- | 0.43 | 0.28 |
| FEB<br>24... | 171 | 163 | 153 | 0.03 | 0.02 | 0.8 | 0.80 | 0.11 | 0.10 | 0.8 | 0.7 | 0.07 |
| MAR<br>23... | -- | -- | -- | 0.03 | -- | 0.90 | -- | -- | -- | -- | 0.63 | 0.26 |
| APR<br>19... | 216 | 217 | 291 | 0.03 | 0.02 | 1.0 | 0.98 | 0.04 | 0.03 | 0.6 | 0.5 | 0.08 |
| MAY<br>19... | -- | -- | 38 | 0.01 | -- | 0.79 | -- | -- | -- | -- | 0.34 | 0.15 |
| JUN<br>22... | 324 | 310 | 21 | -- | 0.02 | -- | 0.57 | 0.08 | 0.07 | 0.6 | 0.5 | 0.05 |
| JUL<br>21... | -- | -- | 22 | 0.01 | -- | 0.40 | -- | -- | -- | -- | 0.24 | 0.09 |
| AUG<br>24... | 301 | 302 | 16 | <0.01 | <0.01 | 0.4 | 0.36 | <0.01 | <0.01 | 0.3 | 0.3 | 0.07 |
| SEP<br>22... | -- | -- | 24 | <0.01 | -- | 0.41 | -- | -- | -- | -- | 0.57 | 0.10 |

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal colony count).

## 07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | PHOS-PHOROUS DIS-SOLVED (MG/L AS P) | PHOS-PHOROUS ORTHO, DIS-SOLVED (MG/L AS P) | ALUM-INUM, DIS-SOLVED (UG/L AS AL) | ARSENIC TOTAL (UG/L AS AS) | ARSENIC DIS-SOLVED (UG/L AS AS) | BARIUM, DIS-SOLVED (UG/L AS BA) | BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE) | BERYL-LIUM, DIS-SOLVED (UG/L AS BE) | CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) | CADMIUM DIS-SOLVED (UG/L AS CD) | CHRO-MIUM, DIS-SOLVED (UG/L AS CR) | CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987<br>21... | 0.08 | 0.05 | <10 | 2 | 2 | 93 | <10 | <0.5 | <1 | <1 | <1 | <1 |
| NOV<br>24... | -- | -- | -- | 5 | <1 | -- | <10 | <10 | 1 | <1 | -- | <1 |
| DEC<br>16... | 0.04 | 0.03 | -- | 1 | -- | -- | <10 | -- | <1 | -- | -- | 4 |
| JAN 1988<br>20... | -- | -- | -- | 2 | <1 | -- | <10 | <10 | 1 | 1 | -- | <10 |
| FEB<br>24... | 0.03 | 0.03 | <10 | 2 | <1 | 53 | <10 | <0.5 | <1 | <1 | <1 | 9 |
| MAR<br>23... | -- | -- | -- | -- | -- | -- | <10 | <10 | <1 | <1 | -- | <10 |
| APR<br>19... | 0.06 | 0.03 | 30 | 2 | 1 | 63 | <10 | <0.5 | 1 | <1 | <1 | 5 |
| MAY<br>19... | -- | -- | -- | 1 | 1 | -- | <10 | <10 | <1 | <1 | -- | <10 |
| JUN<br>22... | 0.04 | 0.02 | -- | 2 | -- | -- | <10 | -- | 1 | -- | -- | 1 |
| JUL<br>21... | -- | -- | -- | 2 | 2 | -- | <10 | <10 | <1 | 3 | -- | 80 |
| AUG<br>24... | 0.05 | 0.04 | <10 | 3 | 2 | 93 | <10 | <0.5 | <1 | <1 | <1 | <1 |
| SEP<br>22... | -- | -- | -- | 3 | 2 | -- | <10 | <10 | 1 | <1 | -- | <10 |

| DATE | CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR) | COBALT, DIS-SOLVED (UG/L AS CO) | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) | COPPER, DIS-SOLVED (UG/L AS CU) | IRON, DIS-SOLVED (UG/L AS FE) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) | LEAD, DIS-SOLVED (UG/L AS PB) | LITHIUM DIS-SOLVED (UG/L AS LI) | MANGA-NESE, DIS-SOLVED (UG/L AS MN) | MERCURY DIS-SOLVED (UG/L AS HG) | MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) | MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987<br>21... | <1 | <3 | 5 | 3 | <3 | <5 | <5 | 15 | <1 | <0.1 | <0.1 | <10 |
| NOV<br>24... | <1 | -- | 20 | 4 | 10 | 17 | <5 | -- | -- | <0.1 | 0.1 | -- |
| DEC<br>16... | <1 | -- | 7 | -- | -- | <5 | -- | -- | -- | -- | <0.1 | -- |
| JAN 1988<br>20... | <1 | -- | 10 | 10 | 110 | 7 | <5 | -- | -- | <0.1 | <0.1 | -- |
| FEB<br>24... | <1 | <3 | 12 | 6 | 68 | <5 | <5 | 9 | 10 | <0.1 | 0.1 | <10 |
| MAR<br>23... | <1 | -- | 8 | 4 | 140 | 5 | <5 | -- | -- | 0.1 | 0.4 | -- |
| APR<br>19... | <1 | <3 | 10 | 2 | 60 | <5 | <5 | 6 | 22 | <0.1 | <0.1 | <10 |
| MAY<br>19... | <1 | -- | 5 | 1 | 200 | <5 | <5 | -- | -- | <0.1 | <0.1 | -- |
| JUN<br>22... | 2 | -- | 5 | -- | -- | <5 | -- | -- | -- | -- | <0.1 | -- |
| JUL<br>21... | <1 | -- | 20 | 4 | 30 | <5 | <5 | -- | -- | <0.1 | <0.1 | -- |
| AUG<br>24... | 1 | <3 | 5 | <1 | 5 | <5 | <5 | 15 | <1 | <0.1 | <0.1 | <10 |
| SEP<br>22... | <1 | -- | 6 | 3 | 40 | <5 | <5 | -- | -- | 0.3 | <0.1 | -- |

< Actual value is known to be less than the value shown.

### 07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) | NICKEL, DIS-SOLVED (UG/L AS NI) | SELE-NIUM, TOTAL (UG/L AS SE) | SELE-NIUM, DIS-SOLVED (UG/L AS SE) | SILVER, DIS-SOLVED (UG/L AS AG) | STRON-TIUM, DIS-SOLVED (UG/L AS SR) | VANA-DIUM, DIS-SOLVED (UG/L AS V) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) | ZINC, DIS-SOLVED (UG/L AS ZN) | CARBON, ORGANIC TOTAL (MG/L AS C) | CYANIDE TOTAL (MG/L AS CN) | PHENOLS TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | | |
| 21... | 3 | 5 | <1 | <1 | <1 | 320 | <6 | <10 | <3 | 4.9 | <0.01 | 2 |
| NOV | | | | | | | | | | | | |
| 24... | 20 | <1 | <1 | <1 | -- | -- | 1 | 40 | 10 | 10 | <0.01 | 11 |
| DEC | | | | | | | | | | | | |
| 16... | 6 | -- | <1 | -- | -- | -- | -- | 10 | -- | 8.5 | <0.01 | 3 |
| JAN 1988 | | | | | | | | | | | | |
| 20... | 9 | 1 | <1 | <1 | -- | -- | <1 | <10 | <10 | 10 | <0.01 | 9 |
| FEB | | | | | | | | | | | | |
| 24... | 9 | 8 | <1 | <1 | <1 | 150 | <6 | 30 | 6 | 9.2 | <0.01 | 2 |
| MAR | | | | | | | | | | | | |
| 23... | 5 | <1 | -- | -- | -- | -- | -- | 30 | <10 | 8.6 | <0.01 | 19 |
| APR | | | | | | | | | | | | |
| 19... | 13 | 3 | <1 | <1 | <1 | 180 | <6 | 30 | <3 | 9.0 | <0.01 | 8 |
| MAY | | | | | | | | | | | | |
| 19... | 2 | <1 | <1 | <1 | -- | -- | <1 | 20 | 10 | 5.3 | <0.01 | 5 |
| JUN | | | | | | | | | | | | |
| 22... | 8 | -- | 1 | -- | -- | -- | -- | <10 | -- | 4.0 | <0.01 | 4 |
| JUL | | | | | | | | | | | | |
| 21... | 200 | <1 | <1 | <1 | -- | -- | <1 | 20 | <10 | 5.0 | <0.01 | 4 |
| AUG | | | | | | | | | | | | |
| 24... | <1 | <1 | <1 | <1 | <1 | 300 | <6 | <10 | 10 | 3.9 | <0.01 | <1 |
| SEP | | | | | | | | | | | | |
| 22... | 3 | <1 | <1 | <1 | -- | -- | 2 | 10 | 10 | 4.8 | <0.01 | <1 |

| DATE | OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L) | PCB, TOTAL (UG/L) | NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L) | ALDRIN, TOTAL (UG/L) | CHLOR-DANE, TOTAL (UG/L) | DDD, TOTAL (UG/L) | DDE, TOTAL (UG/L) | DDT, TOTAL (UG/L) | DI-AZINON, TOTAL (UG/L) | DI-ELDRIN TOTAL (UG/L) | ENDO-SULFAN, TOTAL (UG/L) | ENDRIN, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | | |
| 21... | 2 | <0.1 | <1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.03 | <0.01 | <0.01 |
| NOV | | | | | | | | | | | | |
| 24... | 5 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| DEC | | | | | | | | | | | | |
| 16... | 3 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| JAN 1988 | | | | | | | | | | | | |
| 20... | 3 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| FEB | | | | | | | | | | | | |
| 24... | 3 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| MAR | | | | | | | | | | | | |
| 23... | 1 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| APR | | | | | | | | | | | | |
| 19... | 2 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| MAY | | | | | | | | | | | | |
| 19... | 2 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.01 | <0.01 | <0.01 | <0.01 |
| JUN | | | | | | | | | | | | |
| 22... | 1 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| JUL | | | | | | | | | | | | |
| 21... | <1 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| AUG | | | | | | | | | | | | |
| 24... | 2 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| SEP | | | | | | | | | | | | |
| 22... | 2 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |

< Actual value is known to be less than the value shown.

## 07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | ETHION, TOTAL (UG/L) | HEPTA-CHLOR, TOTAL (UG/L) | HEPTA-CHLOR EPOXIDE TOTAL (UG/L) | LINDANE TOTAL (UG/L) | MALA-THION, TOTAL (UG/L) | METH-OXY-CHLOR, TOTAL (UG/L) | METHYL PARA-THION, TOTAL (UG/L) | METHYL TRI-THION, TOTAL (UG/L) | MIREX, TOTAL (UG/L) | PARA-THION, TOTAL (UG/L) | PER-THANE TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987<br>21... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.03 | <0.01 | <0.01 | <0.01 |
| NOV<br>24... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| DEC<br>16... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| JAN 1988<br>20... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| FEB<br>24... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| MAR<br>23... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| APR<br>19... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| MAY<br>19... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| JUN<br>22... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| JUL<br>21... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| AUG<br>24... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| SEP<br>22... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |

| DATE | TOX-APHENE, TOTAL (UG/L) | TOTAL TRI-THION (UG/L) | 2,4-D, TOTAL (UG/L) | 2, 4-DP TOTAL (UG/L) | 2,4,5-T TOTAL (UG/L) | SILVEX, TOTAL (UG/L) | CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) | CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) | SEDI-MENT, SUS-PENDED (MG/L) | SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987<br>21... | <0.5 | <0.01 | 0.3 | <0.1 | <0.1 | <0.1 | 4.3 | 0.2 | 105 | 24100 | 99 |
| NOV<br>24... | <0.5 | <0.01 | <0.1 | 0.2 | <0.1 | <0.1 | 1.6 | 0.2 | 459 | 168000 | 99 |
| DEC<br>16... | <0.5 | <0.01 | 0.2 | <0.1 | 0.1 | <0.1 | 1.3 | 0.1 | 241 | 77400 | 98 |
| JAN 1988<br>20... | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 0.3 | <0.1 | 442 | 232000 | 75 |
| FEB<br>24... | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 1.8 | 0.1 | 395 | 228000 | 66 |
| MAR<br>23... | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 3.0 | 0.2 | 293 | 113000 | 78 |
| APR<br>19... | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 4.3 | 0.3 | 476 | 250000 | 74 |
| MAY<br>19... | <0.5 | 0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 18 | 0.6 | 194 | 59900 | 98 |
| JUN<br>22... | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 6.0 | 0.4 | -- | -- | -- |
| JUL<br>21... | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 16 | 0.8 | -- | -- | -- |
| AUG<br>24... | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 6.3 | 0.4 | -- | -- | -- |
| SEP<br>22... | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 4.4 | 0.3 | -- | -- | -- |

< Actual value is known to be less than the value shown.

## 07381650 LOWER ATCHAFALAYA RIVER BELOW SWEETBAY LAKE, NEAR MORGAN CITY, LA

LOCATION.--Lat 29°33'06", long 91°14'41", in sec.21, T.17 S., R.12 E., St. Mary Parish, attached to wharf of Texas Oil Company at Mile 129.5 from head of Atchafalaya River via Atchafalaya Basin main channel, and 10.3 mi south of Morgan City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1986 to September 1987 (gage heights only). October 1985 to September 1986 (elevations only). Elevations, February 1956 to September 1985 are in reports of Corps of Engineers, New Orleans district.

GAGE.--Water-stage recorder. Datum of gage is -0.78 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1986 datum of gage was National Geodetic Vertical Datum of 1929.

REMARKS.--Gage heights affected by wind and tide.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 5.27 ft Oct. 28, 1985; minimum gage height, -0.12 ft Oct. 21, 1987.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation, 8.05 ft June 27, 1957; minimum elevation, -1.55 ft Nov. 6, 1959.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 4.14 ft Jan. 19; minimum gage height, -0.12 ft Oct. 21.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.55 | 1.74 | 1.78 | 2.25 | 3.01 | 2.59 | 2.89 | 2.89 | 2.21 | 2.03 | 1.86 | 1.87 |
| 2 | 1.98 | 1.81 | 1.90 | 2.29 | 3.04 | 2.77 | 2.99 | 2.95 | 2.08 | 1.92 | 1.80 | 2.05 |
| 3 | 1.37 | 1.83 | 1.95 | 2.57 | 2.94 | 3.23 | 3.20 | 2.89 | 2.11 | 1.84 | 1.75 | 2.40 |
| 4 | 1.47 | 2.05 | 1.83 | 2.49 | 2.79 | 2.84 | 2.91 | 2.64 | 2.03 | 1.72 | 1.85 | 2.61 |
| 5 | 1.85 | 2.01 | 1.78 | 2.48 | 2.54 | 2.70 | 2.83 | 2.40 | 1.73 | 1.62 | 1.79 | 1.90 |
| 6 | 1.76 | 1.44 | 2.16 | 2.63 | 2.45 | 2.67 | 2.57 | 2.31 | 1.77 | 1.71 | 2.03 | 1.98 |
| 7 | 1.51 | 1.98 | 2.53 | 2.89 | 2.63 | 2.63 | 2.47 | 2.25 | 1.88 | 1.96 | 2.05 | 1.93 |
| 8 | 1.69 | 2.21 | 2.29 | 2.71 | 2.57 | 2.75 | 2.58 | 2.56 | 1.88 | 2.06 | 1.24 | 2.12 |
| 9 | 1.74 | 2.51 | 2.27 | 2.92 | 2.58 | 2.73 | 2.56 | 2.40 | 1.98 | 2.30 | 1.68 | 2.20 |
| 10 | 1.55 | 1.48 | 2.08 | 2.84 | 2.68 | 2.56 | 2.62 | 2.18 | 1.63 | 2.36 | 2.36 | 2.49 |
| 11 | 1.67 | .76 | 2.04 | 2.90 | 2.68 | 2.78 | 2.47 | 1.99 | 1.66 | 2.20 | 2.11 | 2.33 |
| 12 | 1.04 | 1.21 | 2.10 | 3.04 | 2.55 | 2.73 | 2.37 | 1.86 | 1.91 | 2.22 | 1.79 | 2.27 |
| 13 | 1.31 | 1.37 | 2.16 | 2.96 | 2.65 | 2.53 | 2.37 | 1.95 | 2.09 | 2.11 | 1.88 | 2.25 |
| 14 | 1.57 | 1.73 | 2.65 | 2.90 | 2.85 | 2.30 | 2.44 | 1.96 | 2.11 | 1.89 | 1.99 | 2.26 |
| 15 | 1.57 | 2.10 | 2.16 | 2.98 | 3.04 | 2.30 | 2.59 | 1.93 | 2.01 | 1.75 | 1.79 | 2.66 |
| 16 | 1.79 | 2.93 | 1.46 | 3.04 | 2.90 | 2.39 | 2.78 | 1.93 | 1.89 | 1.67 | 1.53 | 3.14 |
| 17 | 1.63 | 2.18 | 1.52 | 3.12 | 3.07 | 2.58 | 2.99 | 1.81 | 1.78 | 1.51 | 1.88 | 3.15 |
| 18 | 1.37 | 2.07 | 1.82 | 3.10 | 3.25 | 2.70 | 3.21 | 1.74 | 1.72 | 1.65 | 1.81 | 2.62 |
| 19 | 1.74 | 2.07 | 2.10 | 3.45 | 3.24 | 2.27 | 2.78 | 1.85 | 1.78 | 1.95 | 1.59 | 2.55 |
| 20 | 1.83 | 1.76 | 2.20 | 3.05 | 3.08 | 2.33 | 2.90 | 1.86 | 1.69 | 1.89 | 1.69 | 2.33 |
| 21 | .81 | 1.79 | 2.01 | 2.63 | 2.95 | 2.28 | 3.02 | 2.32 | 1.74 | 1.66 | 1.65 | 2.13 |
| 22 | 1.59 | 2.12 | 2.23 | 2.59 | 3.01 | 2.28 | 2.99 | 2.75 | 1.92 | 1.45 | 1.67 | 2.16 |
| 23 | 1.84 | 2.25 | 2.15 | 2.49 | 2.96 | 2.48 | 3.02 | 2.27 | 1.84 | 1.42 | 1.77 | 2.17 |
| 24 | 1.93 | 2.34 | 2.34 | 2.63 | 2.76 | 2.57 | 2.86 | 2.04 | 2.16 | 1.40 | 1.79 | 2.29 |
| 25 | 1.80 | 2.44 | 2.40 | 2.32 | 2.82 | 2.53 | 2.95 | 1.50 | 2.28 | 1.55 | 1.77 | 2.05 |
| 26 | 1.96 | 2.45 | 2.34 | 2.28 | 2.73 | 2.51 | 2.75 | 1.57 | 1.85 | 1.54 | 1.81 | 1.74 |
| 27 | 1.47 | 2.21 | 2.15 | 2.25 | 2.64 | 2.41 | 2.63 | 1.86 | 1.88 | 1.62 | 2.02 | 1.83 |
| 28 | 1.42 | 1.76 | 1.69 | 2.34 | 2.63 | 2.49 | 2.54 | 2.04 | 1.90 | 1.75 | 2.02 | 1.93 |
| 29 | 1.69 | 1.90 | 1.59 | 2.45 | 2.61 | 2.57 | 2.84 | 2.13 | 1.92 | 1.86 | 1.86 | 2.03 |
| 30 | 1.66 | 2.02 | 1.93 | 2.65 | --- | 2.60 | 2.90 | 2.20 | 2.04 | 1.92 | 1.65 | 2.43 |
| 31 | 1.70 | --- | 2.28 | 2.78 | --- | 2.63 | --- | 2.21 | --- | 1.94 | 1.82 | --- |
| MAX | 1.98 | 2.93 | 2.65 | 3.45 | 3.25 | 3.23 | 3.21 | 2.95 | 2.28 | 2.36 | 2.36 | 3.15 |
| MIN | .81 | .76 | 1.46 | 2.25 | 2.45 | 2.27 | 2.37 | 1.50 | 1.63 | 1.40 | 1.24 | 1.74 |

## 07382000 BAYOU COCODRIE NEAR CLEARWATER, LA

LOCATION.--Lat 31°00'00", long 92°22'46", in NW 1/4 SW 1/4 sec.4, T.1 S., R.1 E., Louisiana meridian, Evangeline Parish, Hydrologic Unit 08080102, near right bank on downstream side of bridge on U.S. Highway 167, 1,000 ft downstream from Cocodrie Lake dam, 1.0 mi downstream from Chicago, Rock Island and Pacific Railroad Co. bridge, 1.5 mi east of Clearwater, 4.0 mi south of Meeker, and 5.0 mi downstream from Hurricane Creek

DRAINAGE AREA.--240 mi².

PERIOD OF RECORD.--May 1922 to January 1925 (published as "near Meeker"), October 1937 to current year. Monthly discharge only for October 1937 published in WSP 1311.

REVISED RECORDS.--WSP 1211: 1938, drainage area. WDR LA-75-1: 1974.

GAGE.--Water-stage recorder. Datum of gage is 40.00 ft above mean Gulf level (levels by Corps of Engineers) and 39.57 ft above National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works). See WSP 1731 for history of changes prior to Mar. 28, 1940. January to September 1985, auxiliary nonrecording gage 6.6 mi downstream from base gage at datum 35.10 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated discharge during the year. Records good. Slight regulation at low flow by Cocodrie Lake. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--53 years (water years 1923-24, 1938-88), 426 ft³/s, 24.11 in/yr, 308,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 28,200 ft³/s May 18, 1953, gage height, 26.72 ft; reverse flow Nov. 13-15, 1922, probably caused by heavy rains in basin below station; minimum discharge, 5.3 ft³/s Nov. 8, 9, 1982, regulated.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,270 ft³/s Nov. 19, gage height, 17.15 ft; minimum, 41 ft³/s Oct. 17, gage height, 4.33 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 142 | 128 | 1080 | 759 | 254 | 538 | 1000 | 198 | 83 | 82 | 183 | 196 |
| 2 | 141 | 127 | 1050 | 748 | 519 | 488 | 1050 | 175 | 77 | 78 | 170 | 205 |
| 3 | 140 | 98 | 1030 | 746 | 790 | 521 | 1100 | 158 | 83 | 74 | 156 | 253 |
| 4 | 139 | 60 | 1000 | 734 | 834 | 598 | 1110 | 160 | 82 | 82 | 146 | 360 |
| 5 | 138 | 58 | 974 | 696 | 842 | 666 | 1100 | 150 | 86 | 107 | 138 | 379 |
| 6 | 137 | 58 | 949 | 637 | 850 | 658 | 1070 | 133 | 95 | 127 | 134 | 387 |
| 7 | 136 | 58 | 948 | 659 | 856 | 610 | 1050 | 123 | 92 | 154 | 125 | 372 |
| 8 | 134 | 59 | 957 | 719 | 848 | 621 | 1020 | 122 | 84 | 172 | 115 | 323 |
| 9 | 133 | 60 | 963 | 757 | 830 | 849 | 991 | 123 | 79 | 180 | 120 | 282 |
| 10 | 131 | 60 | 952 | 754 | 808 | 1000 | 964 | 116 | 76 | 203 | 150 | 257 |
| 11 | 129 | 60 | 932 | 728 | 788 | 1040 | 936 | 109 | 69 | 422 | 182 | 243 |
| 12 | 126 | 61 | 908 | 679 | 764 | 1030 | 908 | 100 | 65 | 647 | 214 | 219 |
| 13 | 103 | 60 | 883 | 631 | 734 | 1010 | 880 | 111 | 62 | 678 | 249 | 197 |
| 14 | 44 | 61 | 860 | 579 | 692 | 982 | 852 | 104 | 57 | 631 | 255 | 184 |
| 15 | 42 | 62 | 836 | 532 | 700 | 955 | 823 | 96 | 72 | 562 | 241 | 170 |
| 16 | 42 | 173 | 809 | 490 | 675 | 928 | 795 | 92 | 93 | 503 | 225 | 162 |
| 17 | 42 | 992 | 781 | 459 | 660 | 903 | 764 | 88 | 85 | 468 | 206 | 154 |
| 18 | 44 | 1250 | 750 | 428 | 712 | 913 | 727 | 87 | 82 | 455 | 202 | 146 |
| 19 | 44 | 1270 | 713 | 408 | 826 | 927 | 664 | 83 | 80 | 442 | 189 | 141 |
| 20 | 44 | 1240 | 723 | 390 | 882 | 931 | 590 | 82 | 78 | 444 | 165 | 134 |
| 21 | 85 | 1210 | 755 | 381 | 887 | 916 | 526 | 100 | 81 | 478 | 156 | 124 |
| 22 | 127 | 1180 | 793 | 376 | 871 | 893 | 469 | 123 | 78 | 492 | 161 | 118 |
| 23 | 128 | 1150 | 817 | 360 | 849 | 868 | 420 | 132 | 74 | 479 | 157 | 110 |
| 24 | 124 | 1120 | 818 | 336 | 824 | 843 | 367 | 126 | 75 | 448 | 193 | 102 |
| 25 | 123 | 1090 | 803 | 311 | 800 | 820 | 324 | 114 | 93 | 402 | 258 | 98 |
| 26 | 121 | 1070 | 789 | 286 | 773 | 796 | 289 | 105 | 106 | 350 | 277 | 90 |
| 27 | 98 | 1060 | 786 | 263 | 735 | 766 | 260 | 97 | 103 | 313 | 262 | 84 |
| 28 | 94 | 1090 | 794 | 245 | 675 | 724 | 235 | 90 | 99 | 279 | 241 | 80 |
| 29 | 94 | 1110 | 797 | 229 | 605 | 699 | 219 | 86 | 95 | 249 | 220 | 78 |
| 30 | 125 | 1100 | 788 | 215 | --- | 861 | 226 | 80 | 89 | 219 | 198 | 78 |
| 31 | 128 | --- | 773 | 205 | --- | 956 | --- | 85 | --- | 198 | 183 | --- |
| TOTAL | 3278 | 17175 | 26811 | 15740 | 21883 | 25310 | 21729 | 3548 | 2473 | 10418 | 5871 | 5726 |
| MEAN | 106 | 572 | 865 | 508 | 755 | 816 | 724 | 114 | 82.4 | 336 | 189 | 191 |
| MAX | 142 | 1270 | 1080 | 759 | 887 | 1040 | 1110 | 198 | 106 | 678 | 277 | 387 |
| MIN | 42 | 58 | 713 | 205 | 254 | 488 | 219 | 80 | 57 | 74 | 115 | 78 |
| AC-FT | 6500 | 34070 | 53180 | 31220 | 43400 | 50200 | 43100 | 7040 | 4910 | 20660 | 11650 | 11360 |
| CFSM | .44 | 2.39 | 3.60 | 2.12 | 3.14 | 3.40 | 3.02 | .48 | .34 | 1.40 | .79 | .80 |
| IN. | .51 | 2.66 | 4.16 | 2.44 | 3.39 | 3.92 | 3.37 | .55 | .38 | 1.61 | .91 | .89 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| CAL YR 1987 | TOTAL 196025 | MEAN 537 | MAX 1480 | MIN 42 | AC-FT 388800 | CFSM 2.24 | IN. 30.38 |
| WTR YR 1988 | TOTAL 159962 | MEAN 437 | MAX 1270 | MIN 42 | AC-FT 317300 | CFSM 1.82 | IN. 24.79 |

## 07382000 BAYOU COCODRIE NEAR CLEARWATER, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.21 | 5.95 | 15.70 | 12.93 | 7.86 | 10.84 | 15.07 | 7.18 | 5.35 | 5.32 | 6.65 | 7.01 |
| 2 | 6.19 | 5.93 | 15.48 | 12.84 | 10.64 | 10.34 | 15.47 | 6.85 | 5.22 | 5.24 | 6.46 | 7.14 |
| 3 | 6.17 | 5.41 | 15.27 | 12.82 | 13.22 | 10.67 | 15.87 | 6.60 | 5.35 | 5.15 | 6.25 | 7.77 |
| 4 | 6.15 | 4.71 | 15.05 | 12.71 | 13.62 | 11.44 | 15.97 | 6.62 | 5.31 | 5.31 | 6.09 | 8.97 |
| 5 | 6.14 | 4.67 | 14.82 | 12.37 | 13.69 | 12.10 | 15.83 | 6.47 | 5.40 | 5.75 | 5.97 | 9.17 |
| 6 | 6.11 | 4.68 | 14.61 | 11.82 | 13.76 | 12.02 | 15.64 | 6.19 | 5.55 | 6.09 | 5.91 | 9.25 |
| 7 | 6.10 | 4.69 | 14.60 | 12.03 | 13.82 | 11.56 | 15.42 | 6.01 | 5.51 | 6.53 | 5.77 | 9.11 |
| 8 | 6.07 | 4.70 | 14.68 | 12.58 | 13.74 | 11.65 | 15.19 | 6.00 | 5.36 | 6.81 | 5.59 | 8.60 |
| 9 | 6.03 | 4.72 | 14.73 | 12.92 | 13.58 | 13.75 | 14.96 | 6.02 | 5.26 | 6.92 | 5.67 | 8.16 |
| 10 | 6.00 | 4.71 | 14.64 | 12.89 | 13.39 | 15.04 | 14.74 | 5.90 | 5.21 | 7.24 | 6.19 | 7.87 |
| 11 | 5.96 | 4.72 | 14.47 | 12.65 | 13.21 | 15.38 | 14.50 | 5.77 | 5.07 | 9.67 | 6.69 | 7.70 |
| 12 | 5.92 | 4.73 | 14.27 | 12.22 | 12.99 | 15.29 | 14.26 | 5.64 | 4.97 | 11.92 | 7.16 | 7.38 |
| 13 | 5.49 | 4.72 | 14.05 | 11.76 | 12.71 | 15.10 | 14.02 | 5.80 | 4.94 | 12.21 | 7.64 | 7.09 |
| 14 | 4.38 | 4.72 | 13.85 | 11.25 | 12.33 | 14.89 | 13.78 | 5.71 | 4.83 | 11.73 | 7.73 | 6.89 |
| 15 | 4.35 | 4.75 | 13.64 | 10.78 | 12.40 | 14.60 | 13.53 | 5.58 | 5.12 | 11.00 | 7.54 | 6.70 |
| 16 | 4.34 | 6.48 | 13.39 | 10.35 | 12.18 | 14.43 | 13.27 | 5.51 | 5.51 | 10.37 | 7.34 | 6.58 |
| 17 | 4.35 | 14.91 | 13.14 | 10.04 | 12.04 | 14.22 | 12.99 | 5.44 | 5.37 | 10.01 | 7.07 | 6.46 |
| 18 | 4.38 | 16.99 | 12.85 | 9.73 | 12.51 | 14.31 | 12.64 | 5.41 | 5.32 | 9.87 | 7.02 | 6.33 |
| 19 | 4.39 | 17.12 | 12.52 | 9.53 | 13.55 | 14.43 | 12.07 | 5.34 | 5.28 | 9.72 | 6.84 | 6.27 |
| 20 | 4.40 | 16.93 | 12.61 | 9.35 | 14.04 | 14.46 | 11.36 | 5.32 | 5.24 | 9.75 | 6.49 | 6.14 |
| 21 | 5.15 | 16.69 | 12.90 | 9.26 | 14.09 | 14.33 | 10.71 | 5.62 | 5.30 | 10.11 | 6.35 | 5.99 |
| 22 | 5.94 | 16.45 | 13.26 | 9.21 | 13.95 | 14.13 | 10.15 | 6.02 | 5.24 | 10.26 | 6.43 | 5.88 |
| 23 | 5.95 | 16.22 | 13.47 | 9.05 | 13.75 | 13.92 | 9.65 | 6.17 | 5.16 | 10.13 | 6.38 | 5.76 |
| 24 | 5.87 | 15.98 | 13.48 | 8.81 | 13.53 | 13.70 | 9.12 | 6.07 | 5.18 | 9.79 | 6.90 | 5.63 |
| 25 | 5.85 | 15.79 | 13.34 | 8.56 | 13.31 | 13.50 | 8.69 | 5.86 | 5.52 | 9.31 | 7.82 | 5.57 |
| 26 | 5.81 | 15.62 | 13.21 | 8.28 | 13.06 | 13.28 | 8.32 | 5.71 | 5.74 | 8.75 | 8.04 | 5.44 |
| 27 | 5.43 | 15.52 | 13.19 | 8.03 | 12.72 | 13.00 | 7.98 | 5.59 | 5.68 | 8.35 | 7.87 | 5.35 |
| 28 | 5.35 | 15.79 | 13.26 | 7.80 | 12.17 | 12.62 | 7.68 | 5.46 | 5.62 | 7.96 | 7.61 | 5.27 |
| 29 | 5.32 | 15.94 | 13.29 | 7.60 | 11.50 | 12.40 | 7.47 | 5.39 | 5.55 | 7.58 | 7.33 | 5.22 |
| 30 | 5.88 | 15.88 | 13.20 | 7.42 | --- | 13.85 | 7.56 | 5.29 | 5.46 | 7.18 | 7.03 | 5.24 |
| 31 | 5.95 | --- | 13.07 | 7.29 | --- | 14.67 | --- | 5.38 | --- | 6.88 | 6.82 | --- |
| MAX | 6.21 | 17.12 | 15.70 | 12.93 | 14.09 | 15.38 | 15.97 | 7.18 | 5.74 | 12.21 | 8.04 | 9.25 |
| MIN | 4.34 | 4.67 | 12.52 | 7.29 | 7.86 | 10.34 | 7.47 | 5.29 | 4.83 | 5.15 | 5.59 | 5.22 |

## 07382500 BAYOU COURTABLEAU AT WASHINGTON, LA

**LOCATION.**--Lat 30°37'05", long 92°03'20", in SW 1/4 NW 1/4 lot 81, T.5 S., R.4 E., Louisiana meridian, St. Landry Parish, Hydrologic Unit 08080102, near center of span on downstream side of bridge on State Highway 10 at Washington, 0.2 mi upstream from Southern Pacific Transportation Co. bridge, 1.2 mi upstream from Bayou Carron, 3.5 mi downstream from confluence of Bayou Cocodrie and Bayou Boeuf, and 6.0 mi north of Opelousas.

**DRAINAGE AREA.**--715 $mi^2$. See REMARKS.

**PERIOD OF RECORD.**--July 1946 to current year.

**GAGE.**--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Aug. 23, 1948, nonrecording gage at same site and datum. Water-stage recorder for Bayou Courtableau near Washington (station 07382495) used as auxiliary gage for this station since Feb. 28, 1949. Prior to Feb. 28, 1949, auxiliary nonrecording gage 3.5 mi upstream from base at same datum.

**REMARKS.**--Estimated daily discharges: Oct. 3-8, 17, 20-22, 26-29, Nov. 7-16, Apr. 26-29, May 21, May 29 to June 25, June 29 to July 3, July 6-11, Aug. 2, 9, 10, 14-17, 21, 24, Aug. 29 to Sept. 4, and Sept. 13-15, 17-27, 30 (indefinite stage-discharge relationship). Records fair, except those for period of indefinite stage-discharge relationship, which are poor. Some flow diverted from Bayou Boeuf into Chatlin Lake Canal through Bayou Lamourie. Since April 1952, floodflow is diverted from 76.1 $mi^2$ in Bayou Rapides basin into Bayou Boeuf when stage of Red River makes it necessary to close gates at mouth of Bayou Rapides. In extreme floods, considerable flow bypasses the station. Several measurements of water temperature were made during the year.

**AVERAGE DISCHARGE.**--42 years, 1,096 $ft^3/s$, 794,100 acre-ft/yr.

**EXTREMES FOR PERIOD OF RECORD.**--Maximum discharge, 9,490 $ft^3/s$ May 21, 1953; maximum elevation, 35.29 ft May 22, 1953; minimum discharge, 70 $ft^3/s$ Oct. 19, 1973; minimum elevation, 10.72 ft Oct. 18, 1956.

**EXTREMES FOR CURRENT YEAR.**--Maximum discharge, 4,360 $ft^3/s$ Mar. 13; maximum elevation, 27.83 ft Apr. 3; minimum daily discharge, 94 $ft^3/s$ June 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 222 | 242 | 3400 | 1650 | 1200 | 738 | 3560 | 294 | e139 | e150 | 219 | e400 |
| 2 | 202 | 253 | 3300 | 1790 | 2570 | 660 | 3590 | 205 | e130 | e130 | e200 | e640 |
| 3 | e180 | 296 | 3160 | 1760 | 2800 | 1120 | 3790 | 245 | e120 | e220 | 173 | e960 |
| 4 | e170 | 213 | 3020 | 1720 | 3040 | 1680 | 4080 | 253 | e110 | 365 | 162 | e1500 |
| 5 | e160 | 210 | 2820 | 1580 | 3250 | 1770 | 4220 | 227 | e115 | 286 | 144 | 2160 |
| 6 | e150 | 248 | 2490 | 1340 | 3400 | 1620 | 4230 | 235 | e130 | e270 | 144 | 1800 |
| 7 | e140 | e190 | 2310 | 1270 | 3470 | 1380 | 4160 | 242 | e140 | e248 | 223 | 1200 |
| 8 | e135 | e170 | 2630 | 2010 | 3410 | 1210 | 4020 | 237 | e120 | e290 | 224 | 668 |
| 9 | 158 | e170 | 2620 | 2060 | 3150 | 3400 | 3730 | 203 | e110 | e310 | e270 | 437 |
| 10 | 211 | e170 | 2460 | 1960 | 2670 | 3640 | 3250 | 221 | e94 | e350 | e350 | 304 |
| 11 | 233 | e180 | 2220 | 1790 | 2210 | 3910 | 2680 | 256 | e100 | e400 | 451 | 266 |
| 12 | 242 | e190 | 1910 | 1540 | 1940 | 4210 | 2070 | 169 | e140 | 713 | 455 | 239 |
| 13 | 246 | e180 | 1580 | 1470 | 1630 | 4340 | 1570 | 170 | e330 | 730 | 371 | e230 |
| 14 | 244 | e190 | 1380 | 1280 | 1320 | 4280 | 1220 | 145 | e290 | 810 | e350 | e220 |
| 15 | 254 | e200 | 1200 | 1050 | 1810 | 4090 | 1040 | 136 | e270 | 719 | e320 | e220 |
| 16 | 219 | e350 | 1080 | 1020 | 2090 | 3730 | 910 | 177 | e220 | 615 | e310 | 218 |
| 17 | e230 | 1760 | 1120 | 924 | 1800 | 3190 | 906 | 150 | e180 | 558 | e300 | e200 |
| 18 | 218 | 2330 | 985 | 870 | 1840 | 2950 | 861 | 173 | e150 | 922 | 301 | e195 |
| 19 | 255 | 2650 | 828 | 788 | 3010 | 2990 | 784 | 177 | e130 | 1330 | 305 | e190 |
| 20 | e260 | 2850 | 1260 | 874 | 3180 | 2800 | 684 | 203 | e120 | 963 | 332 | e180 |
| 21 | e270 | 3000 | 1910 | 887 | 3250 | 2450 | 628 | e180 | e100 | 852 | e370 | e175 |
| 22 | e280 | 3100 | 2600 | 832 | 3080 | 1920 | 576 | 168 | e97 | 1120 | 718 | e170 |
| 23 | 285 | 3170 | 2620 | 728 | 2670 | 1650 | 559 | 165 | e150 | 913 | 610 | e165 |
| 24 | 291 | 3210 | 2400 | 683 | 2150 | 1500 | 515 | 178 | e220 | 732 | e900 | e155 |
| 25 | 260 | 3240 | 2100 | 550 | 1630 | 1340 | 453 | 190 | e340 | 611 | 1240 | e150 |
| 26 | e180 | 3270 | 1760 | 485 | 1330 | 1210 | e400 | 184 | 508 | 501 | 1280 | e145 |
| 27 | e160 | 3280 | 1680 | 443 | 1140 | 1190 | e370 | 211 | 386 | 509 | 782 | e142 |
| 28 | e150 | 3380 | 1930 | 317 | 1090 | 1130 | e350 | 197 | 278 | 496 | 602 | 140 |
| 29 | e140 | 3410 | 2000 | 311 | 960 | 1060 | e340 | e170 | e230 | 382 | e440 | 115 |
| 30 | 260 | 3420 | 1890 | 360 | --- | 2540 | 331 | e160 | e180 | 283 | e320 | e105 |
| 31 | 219 | --- | 1740 | 373 | --- | 3420 | --- | e150 | --- | 282 | e290 | --- |
| TOTAL | 6624 | 45522 | 64403 | 34715 | 67090 | 73118 | 55877 | 6071 | 5627 | 17060 | 13156 | 13689 |
| MEAN | 214 | 1517 | 2078 | 1120 | 2313 | 2359 | 1863 | 196 | 188 | 550 | 424 | 456 |
| MAX | 291 | 3420 | 3400 | 2060 | 3470 | 4340 | 4230 | 294 | 508 | 1330 | 1280 | 2160 |
| MIN | 135 | 170 | 828 | 311 | 960 | 660 | 331 | 136 | 94 | 130 | 144 | 105 |
| AC-FT | 13140 | 90290 | 127700 | 68860 | 133100 | 145000 | 110800 | 12040 | 11160 | 33840 | 26090 | 27150 |

CAL YR 1987 TOTAL 468993 MEAN 1285 MAX 4910 MIN 96 AC-FT 930200
WTR YR 1988 TOTAL 402952 MEAN 1101 MAX 4340 MIN 94 AC-FT 799300

e Estimated.

## 07382500 BAYOU COURTABLEAU AT WASHINGTON, LA--CONTINUED

### ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17.40 | 16.54 | 22.47 | 18.81 | 21.00 | 18.23 | 26.01 | 18.08 | --- | 15.70 | 17.43 | 18.88 |
| 2 | 16.57 | 16.49 | 22.24 | 19.42 | 27.08 | 18.34 | 27.36 | 18.22 | 13.74 | 15.70 | 17.61 | 19.08 |
| 3 | 16.00 | 16.34 | 21.90 | 19.63 | 27.57 | 19.48 | 27.79 | 18.30 | 13.45 | 15.19 | 17.81 | 19.14 |
| 4 | 16.05 | 16.32 | 21.55 | 19.25 | 27.59 | 20.53 | 27.74 | 18.30 | 13.47 | 14.38 | 17.88 | 21.78 |
| 5 | 16.17 | 16.29 | 21.04 | 18.64 | 27.24 | 20.33 | 27.42 | 18.29 | 14.48 | 13.74 | 17.98 | 22.93 |
| 6 | 16.49 | 16.18 | 20.25 | 18.56 | 26.92 | 19.67 | 26.89 | 18.29 | 15.57 | 13.78 | 18.11 | 21.71 |
| 7 | 16.60 | 16.15 | 20.03 | 19.24 | 26.36 | 19.00 | 26.24 | 18.28 | 16.28 | 14.30 | 18.17 | 19.84 |
| 8 | 16.62 | 16.18 | 20.83 | 20.46 | 25.52 | 19.28 | 25.51 | 18.25 | 16.72 | 14.97 | 18.15 | 18.94 |
| 9 | 16.61 | 16.27 | 20.87 | 20.64 | 24.38 | 24.32 | 24.70 | 18.26 | 16.98 | 15.27 | 18.14 | 18.43 |
| 10 | 16.57 | 16.32 | 20.33 | 20.18 | 22.80 | 26.14 | 23.68 | 18.29 | 17.16 | 15.43 | 18.30 | 18.35 |
| 11 | 16.54 | 16.29 | 19.59 | 19.44 | 21.39 | 26.65 | 22.37 | 18.12 | 17.27 | 16.96 | 18.30 | 18.23 |
| 12 | 16.50 | 16.31 | 18.81 | 19.11 | 20.57 | 26.60 | 21.06 | 18.01 | 17.33 | 18.85 | 18.06 | 18.09 |
| 13 | 16.45 | 16.40 | 18.24 | 18.71 | 19.61 | 26.31 | 19.91 | 18.03 | 16.97 | 18.99 | 17.90 | 18.19 |
| 14 | 16.40 | 16.42 | 17.79 | 18.59 | 19.01 | 25.83 | 19.52 | 18.07 | 15.94 | 18.97 | 18.05 | 18.22 |
| 15 | 16.32 | 16.39 | 17.59 | 18.86 | 20.97 | 25.24 | 19.22 | 18.13 | 14.94 | 18.78 | 18.16 | 18.21 |
| 16 | 16.25 | 16.29 | 17.92 | 18.56 | 21.53 | 24.51 | 18.98 | 18.14 | 14.05 | 18.58 | 18.36 | 17.81 |
| 17 | 16.44 | 18.17 | 17.57 | 18.14 | 20.46 | 23.38 | 18.92 | 18.13 | 13.47 | 18.43 | 18.39 | 17.37 |
| 18 | 16.34 | 20.00 | 17.30 | 17.76 | 21.34 | 23.31 | 18.86 | 18.13 | 14.12 | 19.63 | 18.36 | 17.49 |
| 19 | 16.25 | 20.72 | 17.49 | 17.66 | 24.43 | 23.19 | 18.77 | 18.06 | 15.02 | 19.99 | 18.37 | 17.55 |
| 20 | 16.49 | 21.07 | 18.84 | 18.33 | 24.92 | 22.52 | 18.61 | 17.93 | 15.63 | 18.99 | 18.31 | 17.75 |
| 21 | 16.69 | 21.35 | 20.85 | 18.50 | 24.61 | 21.45 | 18.49 | 17.51 | 16.13 | 19.41 | 18.58 | 17.91 |
| 22 | 16.54 | 21.62 | 21.70 | 18.01 | 23.69 | 20.69 | 18.33 | 17.78 | 16.50 | 19.47 | 19.50 | 17.99 |
| 23 | 16.41 | 21.81 | 21.43 | 17.66 | 22.25 | 20.09 | 18.12 | 18.06 | 16.75 | 18.80 | 18.49 | 18.05 |
| 24 | 16.33 | 21.96 | 20.65 | 17.31 | 20.63 | 19.57 | 17.83 | 18.23 | 16.91 | 18.58 | 19.01 | 18.10 |
| 25 | 16.28 | 22.06 | 19.65 | 17.00 | 19.34 | 19.33 | 17.59 | 18.18 | 16.70 | 18.36 | 20.86 | 18.11 |
| 26 | 16.39 | 22.05 | 18.78 | 16.86 | 18.77 | 19.43 | 17.61 | 17.96 | 15.88 | 18.34 | 20.04 | 18.14 |
| 27 | 16.57 | 22.07 | 18.67 | 16.72 | 18.68 | 19.31 | 17.69 | 17.24 | 15.44 | 18.22 | 18.87 | 18.48 |
| 28 | 16.71 | 22.37 | 19.19 | 16.87 | 18.39 | 19.20 | 17.80 | 16.31 | 15.30 | 17.95 | 17.84 | 18.23 |
| 29 | 16.69 | 22.62 | 19.33 | 17.31 | 18.07 | 19.21 | 18.12 | --- | 15.54 | 17.63 | 17.07 | 18.15 |
| 30 | 16.56 | 22.62 | 18.98 | 17.71 | --- | 22.79 | 18.26 | --- | 15.68 | 17.60 | 17.98 | 18.15 |
| 31 | 16.59 | --- | 18.70 | 17.99 | --- | 25.11 | --- | --- | --- | 17.49 | 18.41 | --- |
| MAX | 17.40 | 22.62 | 22.47 | 20.64 | 27.59 | 26.65 | 27.79 | 18.30 | 17.33 | 19.99 | 20.86 | 22.93 |
| MIN | 16.00 | 16.15 | 17.30 | 16.72 | 18.07 | 18.23 | 17.59 | --- | 13.45 | 13.74 | 17.07 | 17.37 |

## 07383500 BAYOU DES GLAISES DIVERSION CHANNEL AT MOREAUVILLE, LA

LOCATION.--Lat 31°01'59", long 91°58'57", in NE 1/4 sec.29, T.1 N., R.5 E., Avoyelles Parish, Hydrologic Unit 08080102, near left bank on downstream side of bridge on State Highway 114 at Moreauville, and 150 ft downstream from point of diversion from Bayou des Glaises.

DRAINAGE AREA.--270 $mi^2$. See REMARKS.

PERIOD OF RECORD.--July 1943 to current year.

REVISED RECORDS.--WDR LA-77-1: 1973-76.

GAGE.--Water-stage recorder. Datum of gage is 23.46 ft above National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works). Prior to Oct. 13, 1950, nonrecording gage at same site. Prior to Sept. 30, 1961, at datum 4.84 ft higher. Water-stage recorder for Bayou des Glaises diversion channel near Moreauville (station 07383510) used as auxiliary gage for this station since Apr. 17, 1972.

REMARKS.--Estimated daily discharges. Records good except for periods of estimated discharge, Feb. 19, Mar. 9, 10, and Mar. 30 to Apr. 6 (no auxiliary gage-height record), which are fair. Diversion channel carries natural flow of Bayou des Glaises except when operation of floodgates, 12 mi downstream from point of diversion, regulates flow into or out of bayou depending on stage in Red River and Old River overflow area. Flow includes diversion from Bayou Boeuf into Chatlin Lake Canal and is occasionally affected by diversion into or out of Red River and Old River overflow area. Channel discharges into West Protection Levee borrow pit channel, 6.0 mi downstream. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--45 years, 432 $ft^3/s$, 313,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,340 $ft^3/s$ May 18, 1953, gage height, 22.68 ft, present datum; minimum, 2.7 $ft^3/s$ Oct. 13, 14, 15, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,700 $ft^3/s$ Mar. 31; minimum discharge, 5.6 $ft^3/s$ Nov. 5, 6, gage-height, 2.06 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 47 | 43 | 1210 | 572 | 210 | 255 | e1580 | 120 | 59 | 64 | 131 | 243 |
| 2 | 48 | 28 | 1160 | 659 | 861 | 225 | e1650 | 145 | 52 | 50 | 163 | 226 |
| 3 | 48 | 19 | 1100 | 662 | 874 | 441 | e1590 | 153 | 62 | 67 | 171 | 199 |
| 4 | 47 | 12 | 1020 | 602 | 879 | 608 | e1450 | 169 | 96 | 86 | 179 | 691 |
| 5 | 47 | 6.7 | 948 | 500 | 937 | 557 | e1420 | 168 | 109 | 159 | 178 | 880 |
| 6 | 46 | 5.7 | 874 | 393 | 959 | 433 | e1400 | 128 | 97 | 363 | 188 | 819 |
| 7 | 46 | 9.6 | 831 | 566 | 854 | 318 | 1290 | 107 | 101 | 548 | 192 | 756 |
| 8 | 45 | 12 | 846 | 810 | 781 | 377 | 1200 | 89 | 86 | 512 | 177 | 689 |
| 9 | 46 | 13 | 856 | 792 | 639 | e1590 | 1110 | 87 | 78 | 412 | 161 | 598 |
| 10 | 45 | 16 | 836 | 754 | 460 | e1460 | 1020 | 102 | 110 | 430 | 219 | 518 |
| 11 | 43 | 62 | 782 | 659 | 400 | 1200 | 929 | 113 | 100 | 989 | 274 | 447 |
| 12 | 38 | 105 | 687 | 495 | 385 | 1170 | 847 | 92 | 72 | 830 | 314 | 377 |
| 13 | 33 | 86 | 519 | 393 | 350 | 1160 | 748 | 101 | 61 | 743 | 336 | 310 |
| 14 | 31 | 67 | 369 | 381 | 293 | 1130 | 580 | 140 | 61 | 662 | 262 | 255 |
| 15 | 31 | 59 | 269 | 361 | 562 | 1070 | 400 | 134 | 58 | 542 | 201 | 215 |
| 16 | 32 | 169 | 209 | 310 | 672 | 997 | 296 | 119 | 55 | 401 | 181 | 184 |
| 17 | 32 | 780 | 174 | 258 | 586 | 923 | 250 | 129 | 46 | 311 | 175 | 166 |
| 18 | 33 | 775 | 159 | 233 | 917 | 971 | 274 | 107 | 36 | 433 | 178 | 148 |
| 19 | 32 | 847 | 168 | 234 | e1300 | 944 | 310 | 88 | 23 | 537 | 158 | 136 |
| 20 | 33 | 866 | 576 | 234 | 1070 | 904 | 327 | 89 | 38 | 708 | 179 | 121 |
| 21 | 35 | 914 | 769 | 273 | 1040 | 847 | 304 | 139 | 57 | 811 | 181 | 113 |
| 22 | 36 | 982 | 854 | 245 | 1040 | 762 | 229 | 201 | 58 | 835 | 210 | 108 |
| 23 | 38 | 1040 | 869 | 192 | 992 | 619 | 189 | 222 | 59 | 799 | 323 | 97 |
| 24 | 39 | 1090 | 861 | 155 | 925 | 449 | 161 | 197 | 56 | 728 | 335 | 86 |
| 25 | 40 | 1130 | 825 | 138 | 854 | 419 | 128 | 166 | 67 | 607 | 544 | 81 |
| 26 | 49 | 1150 | 767 | 128 | 756 | 437 | 111 | 152 | 114 | 449 | 536 | 80 |
| 27 | 64 | 1170 | 746 | 122 | 588 | 393 | 104 | 141 | 150 | 330 | 456 | 78 |
| 28 | 56 | 1250 | 753 | 117 | 419 | 330 | 96 | 127 | 134 | 252 | 373 | 75 |
| 29 | 63 | 1240 | 760 | 113 | 317 | 341 | 89 | 100 | 96 | 179 | 301 | 72 |
| 30 | 62 | 1230 | 735 | 112 | --- | e1600 | 89 | 76 | 86 | 134 | 245 | 74 |
| 31 | 53 | --- | 648 | 111 | --- | e1700 | --- | 65 | --- | 118 | 218 | --- |
| TOTAL | 1338 | 15177.0 | 22180 | 11574 | 20920 | 24630 | 20171 | 3966 | 2277 | 14089 | 7739 | 8842 |
| MEAN | 43.2 | 506 | 715 | 373 | 721 | 795 | 672 | 128 | 75.9 | 454 | 250 | 295 |
| MAX | 64 | 1250 | 1210 | 810 | 1300 | 1700 | 1650 | 222 | 150 | 989 | 544 | 880 |
| MIN | 31 | 5.7 | 159 | 111 | 210 | 225 | 89 | 65 | 23 | 50 | 131 | 72 |
| AC-FT | 2650 | 30100 | 43990 | 22960 | 41490 | 48850 | 40010 | 7870 | 4520 | 27950 | 15350 | 17540 |

CAL YR 1987 TOTAL 171989.0 MEAN 471 MAX 3620 MIN 5.7 AC-FT 341100
WTR YR 1988 TOTAL 152903.0 MEAN 418 MAX 1700 MIN 5.7 AC-FT 303300

e Estimated.

## 07383500 BAYOU DES GLAISES DIVERSION CHANNEL AT MOREAUVILLE, LA--CONTINUED

### GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.52 | 2.48 | 10.28 | 6.60 | 3.82 | 4.20 | 12.83 | 3.12 | 2.56 | 2.61 | 3.08 | 3.99 |
| 2 | 2.53 | 2.33 | 10.06 | 7.19 | 8.41 | 3.97 | 14.15 | 3.33 | 2.49 | 2.47 | 3.35 | 3.85 |
| 3 | 2.53 | 2.25 | 9.72 | 7.21 | 8.49 | 5.62 | 13.18 | 3.40 | 2.59 | 2.63 | 3.41 | 3.63 |
| 4 | 2.52 | 2.18 | 9.32 | 6.81 | 8.53 | 6.85 | 11.86 | 3.53 | 2.91 | 2.81 | 3.48 | 7.25 |
| 5 | 2.52 | 2.09 | 8.91 | 6.07 | 8.85 | 6.49 | 11.40 | 3.52 | 3.03 | 3.44 | 3.47 | 8.53 |
| 6 | 2.51 | 2.06 | 8.49 | 5.26 | 8.97 | 5.57 | 11.14 | 3.19 | 2.92 | 5.03 | 3.55 | 8.18 |
| 7 | 2.51 | 2.14 | 8.24 | 6.47 | 8.38 | 4.69 | 10.71 | 3.01 | 2.96 | 6.43 | 3.58 | 7.79 |
| 8 | 2.50 | 2.18 | 8.33 | 8.12 | 7.95 | 5.06 | 10.22 | 2.85 | 2.82 | 6.16 | 3.46 | 7.38 |
| 9 | 2.51 | 2.19 | 8.39 | 8.01 | 7.05 | 13.07 | 9.76 | 2.83 | 2.74 | 5.41 | 3.33 | 6.78 |
| 10 | 2.50 | 2.22 | 8.28 | 7.78 | 5.78 | 11.78 | 9.28 | 2.9[illegible] | 3.04 | 5.60 | 3.80 | 6.21 |
| 11 | 2.48 | 2.66 | 7.96 | 7.19 | 5.33 | 10.27 | 8.81 | 3.06 | 2.95 | 10.36 | 4.23 | 5.68 |
| 12 | 2.43 | 3.06 | 7.36 | 6.03 | 5.20 | 10.09 | 8.34 | 2.88 | 2.69 | 8.30 | 4.55 | 5.14 |
| 13 | 2.38 | 2.89 | 6.21 | 5.27 | 4.93 | 10.04 | 7.75 | 2.96 | 2.58 | 7.71 | 4.71 | 4.62 |
| 14 | 2.36 | 2.71 | 5.08 | 5.17 | 4.49 | 9.89 | 6.64 | 3.28 | 2.58 | 7.18 | 4.13 | 4.21 |
| 15 | 2.36 | 2.63 | 4.31 | 5.01 | 6.49 | 9.58 | 5.32 | 3.24 | 2.55 | 6.33 | 3.65 | 3.89 |
| 16 | 2.37 | 3.52 | 3.84 | 4.63 | 7.27 | 9.19 | 4.52 | 3.11 | 2.52 | 5.23 | 3.50 | 3.65 |
| 17 | 2.37 | 7.94 | 3.57 | 4.23 | 6.70 | 8.77 | 4.17 | 3.20 | 2.43 | 4.52 | 3.45 | 3.50 |
| 18 | 2.38 | 7.91 | 3.45 | 4.04 | 8.54 | 9.04 | 4.35 | 3.01 | 2.34 | 5.49 | 3.47 | 3.36 |
| 19 | 2.37 | 8.34 | 3.52 | 4.04 | 10.93 | 8.89 | 4.62 | 2.84 | 2.20 | 6.29 | 3.31 | 3.25 |
| 20 | 2.38 | 8.45 | 6.57 | 4.04 | 9.60 | 8.67 | 4.75 | 2.85 | 2.36 | 7.48 | 3.48 | 3.13 |
| 21 | 2.40 | 8.72 | 7.87 | 4.35 | 9.44 | 8.34 | 4.58 | 3.28 | 2.54 | 8.13 | 3.50 | 3.06 |
| 22 | 2.41 | 9.10 | 8.38 | 4.13 | 9.39 | 7.83 | 4.00 | 3.77 | 2.55 | 8.27 | 3.72 | 3.02 |
| 23 | 2.43 | 9.43 | 8.47 | 3.71 | 9.16 | 6.92 | 3.68 | 3.95 | 2.56 | 8.06 | 4.62 | 2.93 |
| 24 | 2.45 | 9.68 | 8.42 | 3.42 | 8.79 | 5.69 | 3.47 | 3.74 | 2.54 | 7.61 | 4.71 | 2.82 |
| 25 | 2.45 | 9.87 | 8.21 | 3.27 | 8.38 | 5.46 | 3.19 | 3.51 | 2.63 | 6.80 | 6.34 | 2.77 |
| 26 | 2.53 | 10.01 | 7.87 | 3.19 | 7.79 | 5.60 | 3.05 | 3.39 | 3.07 | 5.61 | 6.28 | 2.76 |
| 27 | 2.68 | 10.08 | 7.74 | 3.14 | 6.70 | 5.27 | 2.98 | 3.30 | 3.37 | 4.67 | 5.67 | 2.74 |
| 28 | 2.60 | 10.50 | 7.78 | 3.10 | 5.47 | 4.78 | 2.91 | 3.18 | 3.24 | 4.05 | 5.01 | 2.71 |
| 29 | 2.67 | 10.45 | 7.82 | 3.06 | 4.68 | 4.81 | 2.85 | 2.95 | 2.92 | 3.48 | 4.45 | 2.69 |
| 30 | 2.66 | 10.39 | 7.67 | 3.05 | --- | 13.36 | 2.85 | 2.72 | 2.82 | 3.11 | 4.00 | 2.71 |
| 31 | 2.57 | --- | 7.12 | 3.04 | --- | 15.11 | --- | 2.62 | --- | 2.98 | 3.78 | --- |
| MAX | 2.68 | 10.50 | 10.28 | 8.12 | 10.93 | 15.11 | 14.15 | 3.95 | 3.37 | 10.36 | 6.34 | 8.53 |
| MIN | 2.36 | 2.06 | 3.45 | 3.04 | 3.82 | 3.97 | 2.85 | 2.62 | 2.20 | 2.47 | 3.08 | 2.69 |

## 07384400 STATE CANAL NEAR KROTZ SPRINGS, LA

**LOCATION.**--Lat 30°33'57", long 91°49'53", in SW 1/4 NW 1/4 sec.2, T.6 S., R.6 E., St. Landry Parish, Hydrologic Unit 08080101, on downstream side of bridge on U.S. Highway 71, 1.7 mi upstream from Slow Bayou, 2.0 mi northwest of the junction of U.S. Highways 71 and 190, and 5.0 mi northwest of town of Krotz Springs.

**DRAINAGE AREA.**--Indeterminate.

**PERIOD OF RECORD.**--Annual peaks, water years 1960-67, October 1967 to current year (gage heights above 9.9 ft only).

**GAGE.**--Water-stage recorder. Datum of gage is 2.55 ft above National Geodetic Vertical Datum of 1929. Crest-stage gage prior to 1967 at datum 2.55 ft lower.

**REMARKS.**--No gage heights recorded below 9.99 ft.

**EXTREMES FOR PERIOD OF RECORD.**--Maximum gage height, 20.64 ft May 27, 1973; minimum not determined.

**EXTREMES FOR CURRENT YEAR.**--Maximum gage height, 17.01 ft Apr. 5; minimum, 10.12 ft July 9.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10.93 | 10.40 | 14.16 | 13.41 | 13.71 | 14.44 | 16.34 | 12.77 | 11.55 | 10.31 | 12.25 | 13.42 |
| 2 | 10.85 | 10.41 | 14.14 | 13.48 | 16.41 | 14.23 | 16.74 | 12.69 | 11.39 | 10.29 | 12.10 | 13.41 |
| 3 | 10.77 | 10.42 | 14.11 | 13.48 | 16.71 | 14.44 | 16.91 | 12.64 | 11.22 | 10.26 | 11.99 | 13.51 |
| 4 | 10.68 | 10.42 | 14.08 | 13.47 | 16.77 | 14.45 | 16.97 | 12.58 | 11.07 | 10.22 | 11.90 | 14.58 |
| 5 | 10.61 | 10.43 | 14.03 | 13.42 | 16.77 | 14.36 | 17.00 | 12.50 | 11.05 | 10.18 | 11.83 | 15.12 |
| 6 | 10.56 | 10.41 | 13.96 | 13.23 | 16.79 | 14.22 | 16.97 | 12.42 | 11.09 | 10.18 | 11.75 | 15.03 |
| 7 | 10.51 | 10.40 | 13.93 | 13.20 | 16.70 | 14.05 | 16.91 | 12.34 | 11.07 | 10.16 | 11.66 | 14.80 |
| 8 | 10.46 | 10.40 | 13.91 | 13.46 | 16.56 | 13.94 | 16.81 | 12.28 | 11.03 | 10.15 | 11.58 | 14.41 |
| 9 | 10.43 | 10.45 | 13.93 | 13.60 | 16.39 | 14.95 | 16.67 | 12.24 | 11.00 | 10.13 | 11.53 | 14.06 |
| 10 | 10.42 | 10.48 | 13.91 | 13.63 | 16.18 | 15.88 | 16.50 | 12.20 | 11.04 | 10.19 | 11.67 | 13.73 |
| 11 | 10.40 | 10.47 | 13.84 | 13.60 | 15.96 | 16.12 | 16.26 | 12.15 | 11.07 | 10.30 | 11.89 | 13.51 |
| 12 | 10.39 | 10.45 | 13.73 | 13.50 | 15.72 | 16.21 | 15.96 | 12.10 | 11.09 | 10.57 | 11.98 | 13.31 |
| 13 | 10.34 | 10.44 | 13.58 | 13.51 | 15.46 | 16.21 | 15.65 | 12.06 | 11.06 | 11.09 | 12.10 | 13.15 |
| 14 | 10.30 | 10.41 | 13.39 | 13.47 | 15.22 | 16.16 | 15.33 | 12.02 | 10.97 | 11.58 | 12.12 | 13.00 |
| 15 | 10.29 | 10.39 | 13.16 | 13.36 | 15.44 | 16.05 | 14.96 | 12.00 | 10.89 | 11.90 | 12.09 | 12.86 |
| 16 | 10.29 | 10.74 | 12.89 | 13.36 | 15.62 | 15.84 | 14.59 | 11.98 | 10.79 | 12.09 | 12.05 | 12.74 |
| 17 | 10.29 | 12.09 | 12.73 | 13.32 | 15.65 | 15.60 | 14.24 | 11.97 | 10.68 | 12.20 | 12.05 | 12.61 |
| 18 | 10.29 | 12.55 | 12.62 | 13.25 | 15.88 | 15.53 | 14.04 | 11.94 | 10.58 | 12.47 | 12.10 | 12.58 |
| 19 | 10.29 | 13.36 | 12.47 | 13.17 | 16.39 | 15.46 | 13.96 | 11.90 | 10.54 | 13.04 | 12.06 | 12.66 |
| 20 | 10.29 | 13.64 | 12.50 | 13.03 | 16.51 | 15.33 | 13.75 | 11.88 | 10.54 | 13.74 | 11.98 | 12.69 |
| 21 | 10.28 | 13.77 | 13.34 | 12.93 | 16.50 | 15.13 | 13.57 | 11.93 | 10.52 | 13.84 | 12.02 | 12.65 |
| 22 | 10.25 | 13.85 | 14.29 | 12.92 | 16.44 | 14.82 | 13.43 | 12.02 | 10.50 | 13.92 | 12.46 | 12.55 |
| 23 | 10.24 | 13.93 | 14.35 | 12.84 | 16.31 | 14.50 | 13.31 | 12.13 | 10.48 | 13.97 | 12.72 | 12.44 |
| 24 | 10.23 | 13.99 | 14.26 | 12.76 | 16.13 | 14.29 | 13.19 | 12.24 | 10.46 | 13.87 | 12.68 | 12.32 |
| 25 | 10.22 | 14.05 | 14.11 | 12.67 | 15.87 | 14.15 | 13.08 | 12.32 | 10.46 | 13.68 | 12.87 | 12.21 |
| 26 | 10.29 | 14.05 | 13.93 | 12.57 | 15.58 | 13.94 | 13.00 | 12.31 | 10.44 | 13.45 | 13.26 | 12.09 |
| 27 | 10.35 | 14.06 | 13.78 | 12.46 | 15.29 | 13.74 | 12.93 | 12.25 | 10.40 | 13.21 | 13.41 | 11.97 |
| 28 | 10.36 | 14.12 | 13.68 | 12.39 | 14.99 | 13.59 | 12.84 | 12.16 | 10.37 | 12.99 | 13.39 | 11.85 |
| 29 | 10.37 | 14.15 | 13.56 | 12.32 | 14.70 | 13.49 | 12.77 | 12.04 | 10.34 | 12.78 | 13.31 | 11.74 |
| 30 | 10.38 | 14.17 | 13.50 | 12.27 | --- | 14.78 | 12.82 | 11.89 | 10.32 | 12.59 | 13.35 | 11.65 |
| 31 | 10.40 | --- | 13.44 | 12.23 | --- | 15.91 | --- | 11.70 | --- | 12.41 | 13.39 | --- |
| MAX | 10.93 | 14.17 | 14.35 | 13.63 | 16.79 | 16.21 | 17.00 | 12.77 | 11.55 | 13.97 | 13.41 | 15.12 |
| MIN | 10.22 | 10.39 | 12.47 | 12.23 | 13.71 | 13.49 | 12.77 | 11.70 | 10.32 | 10.13 | 11.53 | 11.65 |

## 303159091512700 BAYOU COURTABLEAU WEST OF DRAINAGE STRUCTURE, AT COURTABLEAU, LA

LOCATION.--Lat 30°31'59", long 91°51'27", in sec.16, T.6 S., R.6 E., St. Landry Parish, Hydrologic Unit 08080101, 6.0 mi west of Krotz Springs, and 0.8 mi southeast of Courtableau.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1977 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | SPE-CIFIC CON-DUCT-ANCE (US/CM) | PH (STAND-ARD UNITS) | TEMPER-ATURE WATER (DEG C) | COLOR (PLAT-INUM-COBALT UNITS) | TUR-BID-ITY (NTU) | SETTLE-ABLE MATTER (ML/L/HR) | OXYGEN, DIS-SOLVED (MG/L) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) | OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) | COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | | |
| 08... | 0935 | 546 | 7.86 | 21.0 | 5 | 23 | <1 | 8.3 | 1.7 | 16 | 480 | 480 |
| NOV | | | | | | | | | | | | |
| 05... | 1140 | 605 | 8.42 | -- | 5 | 6.5 | <1 | 12.0 | 5.7 | 60 | 420 | 180 |
| DEC | | | | | | | | | | | | |
| 15... | 0810 | 124 | 7.02 | -- | 120 | 40 | <1 | 7.2 | -- | 110 | K2400 | 230 |
| JAN 1988 | | | | | | | | | | | | |
| 06... | 0840 | 182 | 7.60 | 8.0 | 100 | 50 | <1 | 9.3 | 2.0 | <10 | 5600 | 390 |
| FEB | | | | | | | | | | | | |
| 12... | 0850 | 135 | 7.40 | -- | 80 | 60 | <1 | 9.1 | 3.9 | 38 | K3000 | K380 |
| MAR | | | | | | | | | | | | |
| 11... | 0745 | 82 | 6.90 | -- | 80 | 90 | <1 | 7.0 | 4.4 | 15 | 4200 | K1200 |
| APR | | | | | | | | | | | | |
| 14... | 0700 | 160 | 8.00 | -- | 70 | 60 | <1 | 5.6 | 4.3 | 26 | K280 | K25 |
| MAY | | | | | | | | | | | | |
| 20... | 0815 | 490 | 8.20 | -- | 15 | 10 | <1 | 11.4 | 7.4 | 180 | 520 | 44 |
| JUN | | | | | | | | | | | | |
| 16... | 0705 | 525 | 8.26 | 28.0 | 15 | 13 | <1 | 8.7 | 6.5 | <10 | 100 | 52 |
| JUL | | | | | | | | | | | | |
| 29... | 0720 | 168 | 7.62 | 28.0 | 80 | 87 | <1 | 4.6 | 5.5 | 27 | K2000 | K50 |
| AUG | | | | | | | | | | | | |
| 17... | 0745 | 499 | 8.10 | 30.0 | 10 | 13 | <1 | 6.5 | 3.3 | 35 | 5000 | K38 |
| SEP | | | | | | | | | | | | |
| 16... | 0715 | 424 | 7.76 | 25.0 | 20 | 22 | <1 | 7.2 | 3.8 | 13 | 680 | 140 |

| DATE | HARD-NESS TOTAL (MG/L AS CACO3) | CALCIUM DIS-SOLVED (MG/L AS CA) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) | SODIUM, DIS-SOLVED (MG/L AS NA) | POTAS-SIUM, DIS-SOLVED (MG/L AS K) | ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DIS-SOLVED (MG/L AS SO4) | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) | RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) | NITRO-GEN, NITRITE TOTAL (MG/L AS N) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 08... | 180 | 44 | 18 | 40 | 4.4 | 137 | 48 | 42 | 21 | 0.01 |
| NOV | | | | | | | | | | |
| 05... | 210 | 50 | 21 | 42 | 4.0 | 160 | 65 | 52 | 36 | 0.02 |
| DEC | | | | | | | | | | |
| 15... | 44 | 10 | 4.5 | 6.0 | 3.2 | 44 | 6.8 | 6.0 | 48 | -- |
| JAN 1988 | | | | | | | | | | |
| 06... | 64 | 15 | 6.5 | 7.0 | 2.6 | 66 | 7.4 | 8.7 | 20 | 0.03 |
| FEB | | | | | | | | | | |
| 12... | 48 | 11 | 5.0 | 5.5 | 2.6 | 49 | 11 | 7.0 | 14 | 0.04 |
| MAR | | | | | | | | | | |
| 11... | 30 | 7.0 | 3.0 | 3.0 | 2.2 | 31 | 7.9 | 2.5 | 32 | 0.05 |
| APR | | | | | | | | | | |
| 14... | 70 | 18 | 6.0 | 6.0 | 3.1 | 70 | 8.7 | 5.4 | 74 | 0.05 |
| MAY | | | | | | | | | | |
| 20... | 180 | 47 | 16 | 28 | 3.1 | 137 | 54 | 33 | 3 | 0.01 |
| JUN | | | | | | | | | | |
| 16... | 180 | 43 | 18 | 30 | 3.9 | 186 | 36 | 33 | 6 | <0.01 |
| JUL | | | | | | | | | | |
| 29... | 78 | 21 | 6.2 | -- | -- | 67 | 11 | 4.2 | 54 | 0.09 |
| AUG | | | | | | | | | | |
| 17... | 170 | 44 | 15 | -- | -- | 135 | 58 | 33 | 21 | 0.03 |
| SEP | | | | | | | | | | |
| 16... | 120 | 24 | 14 | 32 | 4.3 | 112 | 45 | 28 | 41 | 0.03 |

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal colony count).

### 303159091512700 BAYOU COURTABLEAU WEST OF DRAINAGE STRUCTURE, AT COURTABLEAU, LA--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) | NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) | PHOSPHOROUS TOTAL (MG/L AS P) | ARSENIC TOTAL (UG/L AS AS) | ARSENIC DISSOLVED (UG/L AS AS) | BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) | BERYLLIUM, DISSOLVED (UG/L AS BE) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) | CADMIUM DISSOLVED (UG/L AS CD) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) | CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | | |
| 08... | 0.97 | 0.59 | 0.15 | 2 | 2 | <10 | <10 | 1 | <1 | <10 | <1 | 20 |
| NOV | | | | | | | | | | | | |
| 05... | 0.38 | 0.45 | 0.11 | 2 | 1 | <10 | <10 | <1 | <1 | <10 | <1 | 3 |
| DEC | | | | | | | | | | | | |
| 15... | -- | -- | -- | 2 | 2 | <10 | <10 | 3 | <1 | <10 | <1 | 7 |
| JAN 1988 | | | | | | | | | | | | |
| 06... | 0.17 | 0.52 | 0.20 | 2 | 2 | <10 | <10 | <1 | <1 | 20 | <1 | 6 |
| FEB | | | | | | | | | | | | |
| 12... | 0.08 | 0.52 | 0.22 | 1 | <1 | <10 | <10 | <1 | <1 | <10 | <1 | 8 |
| MAR | | | | | | | | | | | | |
| 11... | 0.13 | 0.91 | 0.35 | 3 | 1 | <10 | <10 | 2 | <1 | <10 | <1 | 9 |
| APR | | | | | | | | | | | | |
| 14... | 0.13 | 0.60 | 0.36 | 4 | 2 | <10 | <10 | 2 | <1 | <10 | <1 | 6 |
| MAY | | | | | | | | | | | | |
| 20.. | 0.30 | 0.20 | 0.11 | 1 | 1 | <10 | <10 | <1 | 1 | 10 | <1 | 3 |
| JUN | | | | | | | | | | | | |
| 16... | <0.02 | 0.42 | 0.12 | 3 | 3 | <10 | <10 | 1 | <1 | <10 | <1 | 5 |
| JUL | | | | | | | | | | | | |
| 29... | 0.49 | 0.60 | 0.35 | 5 | 4 | <10 | <10 | <1 | <1 | <10 | <1 | 7 |
| AUG | | | | | | | | | | | | |
| 17... | 0.22 | 0.40 | 0.14 | 2 | 2 | <10 | <10 | 1 | 1 | <10 | <1 | 9 |
| SEP | | | | | | | | | | | | |
| 16... | 0.26 | 0.42 | 0.20 | 3 | 2 | <10 | <10 | <1 | 1 | <10 | <1 | 5 |

| DATE | COPPER, DISSOLVED (UG/L AS CU) | IRON, DISSOLVED (UG/L AS FE) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) | LEAD, DISSOLVED (UG/L AS PB) | MERCURY DISSOLVED (UG/L AS HG) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) | NICKEL, DISSOLVED (UG/L AS NI) | SELENIUM, TOTAL (UG/L AS SE) | SELENIUM, DISSOLVED (UG/L AS SE) | VANADIUM, DISSOLVED (UG/L AS V) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT | | | | | | | | | | | | |
| 08... | 10 | <8 | 6 | 5 | <0.1 | <0.1 | 2 | <1 | <1 | <1 | 2 | 500 |
| NOV | | | | | | | | | | | | |
| 05... | 9 | <8 | <5 | <5 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | 1 | 20 |
| DEC | | | | | | | | | | | | |
| 15... | 6 | 240 | 8 | <5 | <0.1 | 0.1 | 2 | 2 | <1 | <1 | -- | 40 |
| JAN 1988 | | | | | | | | | | | | |
| 06... | 5 | 330 | <5 | <5 | <0.1 | <0.1 | 5 | <1 | <1 | <1 | <1 | 40 |
| FEB | | | | | | | | | | | | |
| 12... | 6 | 230 | <5 | <5 | -- | <0.1 | 3 | 3 | <1 | <1 | <1 | 50 |
| MAR | | | | | | | | | | | | |
| 11... | 5 | 230 | 10 | <5 | <0.1 | <0.1 | 4 | <1 | <1 | <1 | 2 | 40 |
| APR | | | | | | | | | | | | |
| 14... | 4 | 290 | 5 | <5 | <0.1 | 0.1 | 2 | <1 | <1 | <1 | <1 | 10 |
| MAY | | | | | | | | | | | | |
| 20... | <1 | 90 | <5 | <5 | 0.1 | <0.1 | 3 | <1 | <1 | <1 | <1 | 40 |
| JUN | | | | | | | | | | | | |
| 16... | 4 | 150 | <5 | <5 | <0.1 | <0.1 | 1 | <1 | <1 | <1 | 2 | 40 |
| JUL | | | | | | | | | | | | |
| 29... | 4 | 80 | <5 | <5 | <0.1 | 0.1 | 5 | <1 | <1 | <1 | 2 | 30 |
| AUG | | | | | | | | | | | | |
| 17... | 4 | 60 | <5 | <5 | <0.1 | <0.1 | 3 | 1 | <1 | <1 | 1 | 80 |
| SEP | | | | | | | | | | | | |
| 16... | 2 | 40 | <5 | <5 | 0.2 | <0.1 | <1 | <1 | <1 | <1 | 2 | 130 |

< Actual value is known to be less than the value shown.

## 303159091512700 BAYOU COURTABLEAU WEST OF DRAINAGE STRUCTURE, AT COURTABLEAU, LA--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | ZINC, DIS-SOLVED (UG/L AS ZN) | CARBON, ORGANIC TOTAL (MG/L AS C) | CYANIDE TOTAL (MG/L AS CN) | PHENOLS TOTAL (UG/L) | OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L) | PCB, TOTAL (UG/L) | NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L) | ALDRIN, TOTAL (UG/L) | CHLOR-DANE, TOTAL (UG/L) | DDD, TOTAL (UG/L) | DDE, TOTAL (UG/L) | DDT, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | | |
| 08... | 110 | 5.7 | <0.01 | 3 | 2 | <0.1 | <1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| NOV | | | | | | | | | | | | |
| 05... | 90 | 9.2 | <0.01 | <1 | 1 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| DEC | | | | | | | | | | | | |
| 15... | 20 | 15 | <0.01 | 2 | 1 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| JAN 1988 | | | | | | | | | | | | |
| 06... | 30 | 11 | <0.01 | 3 | 2 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| FEB | | | | | | | | | | | | |
| 12... | 30 | 17 | <0.01 | 1 | 2 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| MAR | | | | | | | | | | | | |
| 11... | 10 | 18 | <0.010 | 5 | <1 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| APR | | | | | | | | | | | | |
| 14... | 10 | -- | <0.01 | 2 | 2 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| MAY | | | | | | | | | | | | |
| 20... | 10 | 7.6 | <0.01 | <1 | 2 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| JUN | | | | | | | | | | | | |
| 16... | 10 | 8.5 | <0.01 | <1 | 1 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| JUL | | | | | | | | | | | | |
| 29... | <10 | 11 | <0.01 | 3 | 2 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| AUG | | | | | | | | | | | | |
| 17... | 30 | 5.5 | <0.01 | 1 | <1 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| SEP | | | | | | | | | | | | |
| 16... | 60 | 6.5 | -- | <1 | <1 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |

| DATE | DI-AZINON, TOTAL (UG/L) | DI-ELDRIN TOTAL (UG/L) | ENDO-SULFAN, TOTAL (UG/L) | ENDRIN, TOTAL (UG/L) | ETHION, TOTAL (UG/L) | HEPTA-CHLOR, TOTAL (UG/L) | HEPTA-CHLOR EPOXIDE TOTAL (UG/L) | LINDANE TOTAL (UG/L) | MALA-THION, TOTAL (UG/L) | METH-OXY-CHLOR, TOTAL (UG/L) | METHYL PARA-THION, TOTAL (UG/L) | METHYL TRI-THION, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | | |
| 08... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.02 | 0.03 |
| NOV | | | | | | | | | | | | |
| 05... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.44 | <0.01 | <0.01 | <0.01 | <0.01 |
| DEC | | | | | | | | | | | | |
| 15... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.06 | <0.01 | <0.01 | 0.03 | <0.01 |
| JAN 1988 | | | | | | | | | | | | |
| 06... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.06 | <0.01 | 0.07 | <0.01 | <0.01 |
| FEB | | | | | | | | | | | | |
| 12... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.03 | 0.02 |
| MAR | | | | | | | | | | | | |
| 11... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| APR | | | | | | | | | | | | |
| 14... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| MAY | | | | | | | | | | | | |
| 20... | 0.02 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| JUN | | | | | | | | | | | | |
| 16... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| JUL | | | | | | | | | | | | |
| 29... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| AUG | | | | | | | | | | | | |
| 17... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| SEP | | | | | | | | | | | | |
| 16... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |

< Actual value is known to be less than the value shown.

### 303159091512700 BAYOU COURTABLEAU WEST OF DRAINAGE STRUCTURE, AT COURTABLEAU, LA--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | MIREX, TOTAL (UG/L) | PARA-THION, TOTAL (UG/L) | PER-THANE TOTAL (UG/L) | TOX-APHENE, TOTAL (UG/L) | TOTAL TRI-THION (UG/L) | 2,4-D, TOTAL (UG/L) | 2, 4-DP TOTAL (UG/L) | 2,4,5-T TOTAL (UG/L) | SILVEX, TOTAL (UG/L) | CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) | CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987<br>08... | <0.01 | <0.01 | <0.01 | <0.5 | <0.01 | 0.3 | <0.1 | <0.1 | <0.1 | 3.7 | 0.3 |
| NOV<br>05... | <0.01 | <0.01 | <0.01 | <0.5 | <0.01 | 12 | <0.1 | <0.1 | <0.1 | 27 | 1.9 |
| DEC<br>15... | <0.01 | <0.01 | <0.01 | <0.5 | <0.01 | <0.1 | <0.1 | 0.1 | <0.1 | 0.9 | <0.1 |
| JAN 1988<br>06... | <0.01 | <0.01 | <0.01 | <0.5 | 0.03 | 0.2 | <0.1 | <0.1 | 0.1 | 2.8 | 0.2 |
| FEB<br>12... | <0.01 | <0.01 | <0.01 | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 1.0 | <0.1 |
| MAR<br>11... | <0.01 | <0.01 | <0.01 | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 1.6 | 0.2 |
| APR<br>14... | <0.01 | <0.01 | <0.01 | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 4.3 | 0.2 |
| MAY<br>20... | <0.01 | <0.01 | <0.01 | <0.5 | 0.03 | <0.1 | <0.1 | <0.1 | <0.1 | 37 | 2.3 |
| JUN<br>16... | <0.01 | <0.01 | <0.01 | <0.5 | <0.01 | <0.1 | 0.1 | <0.1 | <0.1 | 32 | 4.2 |
| JUL<br>29... | <0.01 | <0.01 | <0.01 | <0.5 | <0.01 | 0.2 | <0.1 | <0.1 | <0.1 | 7.4 | 0.7 |
| AUG<br>17... | <0.01 | <0.01 | <0.01 | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 14 | 0.9 |
| SEP<br>16... | <0.01 | <0.01 | <0.01 | <0.5 | <0.01 | 0.1 | <0.1 | <0.1 | <0.1 | 8.8 | 0.4 |

< Actual value is known to be less than the value shown.

## 303159091512300 BAYOU COURTABLEAU EAST OF DRAINAGE STRUCTURE, AT COURTABLEAU, LA

**LOCATION.**--Lat 30°31'59", long 91°51'23", in sec.16, T.6 S., R.6 E., St. Landry Parish, Hydrologic Unit 08080101, 6.0 mi west of Krotz Springs, and 0.8 mi southeast of Courtableau.

**DRAINAGE AREA.**--Indeterminate.

**PERIOD OF RECORD.**--Water years 1977 to current year.

**COOPERATION.**--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | SPECIFIC CONDUCTANCE (US/CM) | PH (STANDARD UNITS) | TEMPERATURE WATER (DEG C) | COLOR (PLATINUM-COBALT UNITS) | TURBIDITY (NTU) | SETTLEABLE MATTER (ML/L/HR) | OXYGEN, DISSOLVED (MG/L) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) | OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) | COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987<br>08... | 0800 | 533 | 7.93 | -- | 5 | 29 | <1 | 7.1 | 2.4 | 41 | 300 | 260 |
| NOV<br>05... | 1210 | 622 | 7.98 | -- | 10 | 20 | <1 | 9.1 | 4.9 | 32 | 200 | 46 |
| DEC<br>15... | 0835 | 126 | 7.06 | -- | 100 | 43 | <1 | 7.1 | -- | 84 | 1600 | 260 |
| JAN 1988<br>06... | 0930 | 170 | 7.47 | 8.0 | 80 | 50 | <1 | 9.4 | 2.8 | <10 | 4200 | 440 |
| FEB<br>12... | 1045 | 133 | 7.40 | -- | 80 | 65 | <1 | 9.6 | 4.4 | 35 | 5200 | 460 |
| MAR<br>11... | 0800 | 81 | 7.10 | -- | 120 | 90 | <1 | 7.6 | 4.6 | 20 | 5000 | 1200 |
| APR<br>14... | 0730 | 147 | 7.45 | -- | 120 | 55 | <1 | -- | 4.1 | 28 | 720 | K20 |
| MAY<br>20... | 0835 | 492 | 7.82 | -- | 10 | 1.8 | <1 | 8.6 | 5.0 | 54 | K420 | 42 |
| JUN<br>16... | 0725 | 526 | 7.93 | 28.0 | 15 | 13 | <1 | 6.8 | 2.2 | 78 | 88 | K18 |
| JUL<br>29... | 0740 | 169 | 7.53 | 28.0 | 80 | 93 | <1 | 3.3 | 4.3 | 28 | K2000 | K50 |
| AUG<br>17... | 0855 | 474 | 8.13 | 30.0 | 15 | 14 | <1 | 5.6 | 3.0 | <10 | 780 | 44 |
| SEP<br>16... | 0653 | 374 | 7.71 | 25.0 | 30 | 32 | <1 | 5.6 | 5.1 | 18 | 820 | 70 |

| DATE | HARDNESS TOTAL (MG/L AS CACO3) | CALCIUM DISSOLVED (MG/L AS CA) | MAGNESIUM, DISSOLVED (MG/L AS MG) | SODIUM, DISSOLVED (MG/L AS NA) | POTASSIUM, DISSOLVED (MG/L AS K) | ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DISSOLVED (MG/L AS SO4) | CHLORIDE, DISSOLVED (MG/L AS CL) | RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) | NITROGEN, NITRITE TOTAL (MG/L AS N) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987<br>08... | 180 | 43 | 18 | 38 | 4.1 | 139 | 50 | 48 | 41 | 0.03 |
| NOV<br>05... | 190 | 44 | 20 | 45 | 4.0 | 158 | 67 | 51 | 37 | -- |
| DEC<br>15... | 46 | 10 | 5.0 | 5.5 | 2.8 | 44 | 7.8 | 6.0 | 23 | -- |
| JAN 1988<br>06... | 67 | 16 | 6.5 | 7.5 | 2.5 | 64 | 11 | 8.4 | 16 | 0.03 |
| FEB<br>12... | 48 | 11 | 5.0 | 5.5 | 2.7 | 48 | 11 | 6.7 | 30 | 0.04 |
| MAR<br>11... | 32 | 7.0 | 3.5 | 3.0 | 2.3 | 31 | 8.0 | 2.6 | 67 | 0.05 |
| APR<br>14... | 60 | 15 | 5.5 | 5.0 | 2.8 | 77 | 8.4 | 4.1 | 55 | 0.04 |
| MAY<br>20... | 180 | 46 | 15 | 28 | 3.4 | 138 | 54 | 33 | 8 | 0.01 |
| JUN<br>16... | 180 | 42 | 18 | 30 | 3.7 | 179 | 39 | 36 | 7 | 0.01 |
| JUL<br>29... | 73 | 19 | 6.2 | -- | -- | 66 | 11 | 2.9 | 69 | 0.10 |
| AUG<br>17... | 170 | 43 | 15 | -- | -- | 131 | 54 | 32 | 24 | 0.02 |
| SEP<br>16... | 130 | 35 | 11 | 24 | 4.4 | 103 | 37 | 24 | 59 | 0.04 |

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal colony count).

## 303159091512300 BAYOU COURTABLEAU EAST OF DRAINAGE STRUCTURE, AT COURTABLEAU, LA--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) | NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) | PHOSPHOROUS TOTAL (MG/L AS P) | ARSENIC TOTAL (UG/L AS AS) | ARSENIC DISSOLVED (UG/L AS AS) | BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) | BERYLLIUM, DISSOLVED (UG/L AS BE) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) | CADMIUM DISSOLVED (UG/L AS CD) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) | CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR) | COPPER, TOTAL RECOVERABLE (UG/L AS CU) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | | |
| 08... | 0.94 | 0.38 | 0.15 | 2 | 2 | <10 | <10 | <1 | <1 | <10 | <1 | 4 |
| NOV | | | | | | | | | | | | |
| 05... | -- | -- | -- | 2 | 1 | <10 | <10 | <1 | <1 | <10 | <1 | 4 |
| DEC | | | | | | | | | | | | |
| 15... | -- | -- | -- | 3 | 2 | <10 | <10 | 1 | 1 | <10 | <1 | 4 |
| JAN 1988 | | | | | | | | | | | | |
| 06... | 0.17 | 0.63 | 0.20 | 2 | 1 | <10 | <10 | <1 | <1 | <10 | <1 | 6 |
| FEB | | | | | | | | | | | | |
| 12... | 0.08 | 0.62 | 0.21 | 1 | <1 | <10 | <10 | 1 | 2 | <10 | <1 | 7 |
| MAR | | | | | | | | | | | | |
| 11... | 0.16 | 0.93 | 0.35 | 2 | 1 | <10 | <10 | 4 | 2 | <10 | <1 | 10 |
| APR | | | | | | | | | | | | |
| 14... | 0.12 | 0.67 | 0.33 | 4 | 2 | <10 | <10 | 1 | <1 | <10 | <1 | 8 |
| MAY | | | | | | | | | | | | |
| 20... | 0.59 | <0.20 | 0.12 | 1 | 1 | <10 | <10 | <1 | <1 | <10 | <1 | 3 |
| JUN | | | | | | | | | | | | |
| 16... | 0.06 | 0.44 | 0.12 | 3 | 3 | <10 | <10 | 1 | <1 | <10 | <1 | 5 |
| JUL | | | | | | | | | | | | |
| 29... | 0.49 | 0.68 | 0.38 | 5 | 4 | <10 | <10 | <1 | <1 | <10 | <1 | 8 |
| AUG | | | | | | | | | | | | |
| 17... | 0.23 | 0.40 | 0.14 | 3 | 2 | <10 | <10 | <1 | <1 | <10 | <1 | 5 |
| SEP | | | | | | | | | | | | |
| 16... | 0.35 | 0.63 | 0.20 | 3 | 2 | <10 | <10 | <1 | <1 | <10 | <1 | 9 |

| DATE | COPPER, DISSOLVED (UG/L AS CU) | IRON, DISSOLVED (UG/L AS FE) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) | LEAD, DISSOLVED (UG/L AS PB) | MERCURY DISSOLVED (UG/L AS HG) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) | NICKEL, DISSOLVED (UG/L AS NI) | SELENIUM, TOTAL (UG/L AS SE) | SELENIUM, DISSOLVED (UG/L AS SE) | VANADIUM, DISSOLVED (UG/L AS V) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | | |
| 08... | 2 | <8 | 6 | 5 | <0.1 | <0.1 | 3 | <1 | <1 | <1 | 2 | 40 |
| NOV | | | | | | | | | | | | |
| 05... | 2 | <8 | <5 | <5 | <0.1 | <0.1 | 5 | <1 | <1 | <1 | <1 | 20 |
| DEC | | | | | | | | | | | | |
| 15... | 5 | 350 | <5 | <5 | <0.1 | 0.1 | 1 | 1 | <1 | <1 | -- | 40 |
| JAN 1988 | | | | | | | | | | | | |
| 06... | 6 | 420 | <5 | <5 | <0.1 | 0.1 | 7 | <1 | <1 | <1 | <1 | 30 |
| FEB | | | | | | | | | | | | |
| 12... | 6 | 180 | <5 | <5 | <0.1 | <0.1 | 3 | 3 | <1 | <1 | <1 | 40 |
| MAR | | | | | | | | | | | | |
| 11... | 5 | 300 | 10 | <5 | 0.3 | <0.1 | 4 | <1 | <1 | <1 | 3 | 50 |
| APR | | | | | | | | | | | | |
| 14... | 4 | 160 | <5 | <5 | <0.1 | 0.1 | 1 | <1 | <1 | <1 | <1 | 90 |
| MAY | | | | | | | | | | | | |
| 20... | <1 | 100 | <5 | <5 | <0.1 | <0.1 | 2 | <1 | <1 | <1 | <1 | 20 |
| JUN | | | | | | | | | | | | |
| 16... | 4 | 110 | <5 | <5 | <0.1 | <0.1 | <1 | <1 | <1 | <1 | 1 | 20 |
| JUL | | | | | | | | | | | | |
| 29... | 4 | 130 | <5 | <5 | 0.1 | 0.1 | 3 | <1 | <1 | <1 | 2 | 30 |
| AUG | | | | | | | | | | | | |
| 17... | 3 | 40 | <5 | <5 | <0.1 | <0.1 | 2 | 2 | <1 | <1 | 1 | 20 |
| SEP | | | | | | | | | | | | |
| 16... | 5 | 60 | <5 | <5 | <0.1 | <0.1 | 4 | <1 | <1 | <1 | 2 | 290 |

< Actual value is known to be less than the value shown.

### 303159091512300 BAYOU COURTABLEAU EAST OF DRAINAGE STRUCTURE, AT COURTABLEAU, LA--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | ZINC, DIS- SOLVED (UG/L AS ZN) | CARBON, ORGANIC TOTAL (MG/L AS C) | CYANIDE TOTAL (MG/L AS CN) | PHENOLS TOTAL (UG/L) | OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L) | PCB, TOTAL (UG/L) | NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L) | ALDRIN, TOTAL (UG/L) | CHLOR- DANE, TOTAL (UG/L) | DDD, TOTAL (UG/L) | DDE, TOTAL (UG/L) | DDT, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | | |
| 08... | 30 | 6.2 | <0.01 | 2 | 3 | <0.1 | <1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| NOV | | | | | | | | | | | | |
| 05... | 20 | 9.0 | <0.01 | 1 | <1 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| DEC | | | | | | | | | | | | |
| 15... | 20 | 14 | <0.01 | 2 | 1 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| JAN 1988 | | | | | | | | | | | | |
| 06... | 10 | 14 | <0.01 | 3 | 1 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| FEB | | | | | | | | | | | | |
| 12... | 20 | 16 | <0.01 | 1 | 2 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| MAR | | | | | | | | | | | | |
| 11... | 20 | 17 | <0.01 | 5 | <1 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| APR | | | | | | | | | | | | |
| 14... | 40 | 13 | <0.01 | 2 | 2 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| MAY | | | | | | | | | | | | |
| 20... | 10 | 7.2 | <0.01 | <1 | 2 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| JUN | | | | | | | | | | | | |
| 16... | <10 | 6.5 | <0.01 | <1 | <1 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| JUL | | | | | | | | | | | | |
| 29... | <10 | 12 | <0.01 | 3 | 2 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| AUG | | | | | | | | | | | | |
| 17... | 20 | 6.1 | <0.01 | 1 | <1 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| SEP | | | | | | | | | | | | |
| 16... | 180 | 7.5 | -- | 2 | <1 | <0.1 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |

| DATE | DI- AZINON, TOTAL (UG/L) | DI- ELDRIN TOTAL (UG/L) | ENDO- SULFAN, TOTAL (UG/L) | ENDRIN, TOTAL (UG/L) | ETHION, TOTAL (UG/L) | HEPTA- CHLOR, TOTAL (UG/L) | HEPTA- CHLOR EPOXIDE TOTAL (UG/L) | LINDANE TOTAL (UG/L) | MALA- THION, TOTAL (UG/L) | METH- OXY- CHLOR, TOTAL (UG/L) | METHYL PARA- THION, TOTAL (UG/L) | METHYL TRI- THION, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | | |
| 08... | <0.01 | 0.03 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.03 |
| NOV | | | | | | | | | | | | |
| 05... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.61 | <0.01 | <0.01 | <0.01 | <0.01 |
| DEC | | | | | | | | | | | | |
| 15... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.03 | <0.01 |
| JAN 1988 | | | | | | | | | | | | |
| 06... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| FEB | | | | | | | | | | | | |
| 12... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.03 | 0.02 |
| MAR | | | | | | | | | | | | |
| 11... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| APR | | | | | | | | | | | | |
| 14... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| MAY | | | | | | | | | | | | |
| 20... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| JUN | | | | | | | | | | | | |
| 16... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| JUL | | | | | | | | | | | | |
| 29... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| AUG | | | | | | | | | | | | |
| 17... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| SEP | | | | | | | | | | | | |
| 16... | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |

< Actual value is known to be less than the value shown.

### 303159091512300 BAYOU COURTABLEAU EAST OF DRAINAGE STRUCTURE, AT COURTABLEAU, LA--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | MIREX, TOTAL (UG/L) | PARA-THION, TOTAL (UG/L) | PER-THANE TOTAL (UG/L) | TOX-APHENE, TOTAL (UG/L) | TOTAL TRI-THION (UG/L) | 2,4-D, TOTAL (UG/L) | 2, 4-DP TOTAL (UG/L) | 2,4,5-T TOTAL (UG/L) | SILVEX, TOTAL (UG/L) | CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) | CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 08... | <0.01 | 0.02 | <0.01 | <0.5 | 0.01 | 0.3 | <0.1 | <0.1 | <0.1 | 4.2 | 0.1 |
| NOV | | | | | | | | | | | |
| 05... | <0.01 | <0.01 | <0.01 | <0.5 | <0.01 | 1.2 | <0.1 | <0.1 | <0.1 | 11 | 0.7 |
| DEC | | | | | | | | | | | |
| 15... | <0.01 | <0.01 | <0.01 | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 0.9 | <0.1 |
| JAN 1988 | | | | | | | | | | | |
| 06... | <0.01 | <0.01 | <0.01 | <0.5 | 0.03 | <0.1 | <0.1 | 0.2 | 0.1 | 1.5 | 0.1 |
| FEB | | | | | | | | | | | |
| 12... | <0.01 | <0.01 | <0.01 | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 1.3 | 0.3 |
| MAR | | | | | | | | | | | |
| 11... | <0.01 | <0.01 | <0.01 | <0.5 | <0.01 | 0.2 | <0.1 | <0.1 | <0.1 | 1.4 | 0.2 |
| APR | | | | | | | | | | | |
| 14... | <0.01 | <0.01 | <0.01 | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 4.2 | 0.1 |
| MAY | | | | | | | | | | | |
| 20... | <0.01 | <0.01 | <0.01 | <0.5 | 0.03 | <0.1 | <0.1 | <0.1 | <0.1 | 28 | 1.1 |
| JUN | | | | | | | | | | | |
| 16... | <0.01 | <0.01 | <0.01 | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 17 | 2.2 |
| JUL | | | | | | | | | | | |
| 29... | <0.01 | <0.01 | <0.01 | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 6.0 | 0.4 |
| AUG | | | | | | | | | | | |
| 17... | <0.01 | <0.01 | <0.01 | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 10 | 0.6 |
| SEP | | | | | | | | | | | |
| 16... | <0.01 | <0.01 | <0.01 | <0.5 | <0.01 | <0.1 | <0.1 | <0.1 | <0.1 | 3.4 | 0.3 |

< Actual value is known to be less than the value shown.

## 07385500 BAYOU TECHE AT ARNAUDVILLE, LA

LOCATION.--Lat 30°23'50", long 91°55'50", at NW corner lot 63, T.7 S., R.5 E., Louisiana meridian, St. Landry Parish, Hydrologic Unit 08080102, near center of span on downstream side of bridge on State Highway 31, at Arnaudville, and 270 ft upstream from Bayou Fusilier.

DRAINAGE AREA.--Approximately 1,530 mi² (see REMARKS).

PERIOD OF RECORD.--April 1949 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to May 11, 1949, nonrecording gage. May 12, 1949 to May 11, 1960, water-stage recorder. May 26, 1960 to Aug. 15, 1961, nonrecording gage. All gages at same site and datum. Water-stage recorder for Bayou Teche at Robin (station 07385470) used as auxiliary gage for this station. Prior to Feb. 4, 1953, auxiliary nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges. Records fair. June 25 to Aug. 5 (no gage-height record), Sept. 5 (indefinite stage-discharge relationship). Bayou Teche heads in Bayou Courtableau at Port Barre. At high stages, considerable flow bypasses station by way of Bayou Courtableau at Weirs near Krotz Springs. There is controlled diversion to or from Red River and Old River overflow area through Bayou des Glaises floodgates and to or from West Atchafalaya Floodway through Big Darbonne Bayou culvert and since April 1956 through Bayou Courtableau drainage structure. Since April 1952, floodflow is diverted from Bayou Rapides, drainage area, 76.1 mi², into Bayou Boeuf when stages of Red River make it necessary to close gates at mouth of Bayou Rapides. Teche-Vermillion fresh water diversion canal operational during the year anytime the flow in Bayou Courtableau does not bypass by away of the Courtableau Weirs near Krotz Springs. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--39 years, 851 ft³/s, 616,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,630 ft³/s May 24, 1953; maximum elevation, 24.27 ft May 23, 1953; minimum discharge, 53 ft³/s Aug. 12, 1965, minimum elevation, 6.78 ft Oct. 28, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,850 ft³/s Feb. 1; maximum elevation, 19.86 ft Feb. 2; minimum discharge, 244 ft³/s June 4, elevation, 9.85 ft.

### DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 858 | 677 | 935 | 785 | 1580 | 916 | 1600 | 1070 | 435 | e616 | e871 | 1060 |
| 2 | 740 | 670 | 921 | 862 | 2510 | 969 | 2020 | 1070 | 392 | e616 | e879 | 1090 |
| 3 | 624 | 650 | 903 | 900 | 2080 | 1280 | 1770 | 1080 | 313 | e576 | e914 | 1190 |
| 4 | 586 | 636 | 880 | 886 | 2010 | 1240 | 1720 | 1090 | 257 | e468 | e935 | 1460 |
| 5 | 597 | 634 | 850 | 805 | 1920 | 1140 | 1860 | 1080 | 356 | e375 | e955 | 1030 |
| 6 | 630 | 630 | 814 | 812 | 1760 | 1050 | 1840 | 1080 | 560 | e335 | 971 | 1870 |
| 7 | 662 | 625 | 801 | 1060 | 1790 | 975 | 1670 | 1080 | 706 | e354 | 986 | 1580 |
| 8 | 671 | 628 | 801 | 1080 | 1790 | 1100 | 1530 | 1080 | 802 | e451 | 985 | 1330 |
| 9 | 673 | 645 | 822 | 1030 | 1560 | 1590 | 1430 | 1070 | 857 | e528 | 985 | 1140 |
| 10 | 670 | 656 | 808 | 982 | 1340 | 1700 | 1360 | 1070 | 872 | e578 | 1110 | 1060 |
| 11 | 664 | 648 | 769 | 903 | 1200 | 1600 | 1280 | 1060 | 887 | e663 | 1110 | 1020 |
| 12 | 656 | 650 | 724 | 883 | 1090 | 1500 | 1240 | 1030 | 901 | e987 | 999 | 991 |
| 13 | 650 | 659 | 682 | 864 | 971 | 1420 | 1180 | 1030 | 884 | e1110 | 943 | 998 |
| 14 | 643 | 670 | 652 | 828 | 933 | 1350 | 1180 | 1030 | 753 | e1120 | 948 | 1000 |
| 15 | 636 | 668 | 646 | 915 | 1180 | 1300 | 1170 | 1040 | 593 | e1100 | 968 | 1010 |
| 16 | 623 | 695 | 720 | 925 | 1220 | 1260 | 1140 | 1040 | 454 | e1090 | 994 | 969 |
| 17 | 632 | 625 | 705 | 873 | 1080 | 1210 | 1120 | 1040 | 342 | e1060 | 1020 | 883 |
| 18 | 643 | 720 | 666 | 813 | 1430 | 1350 | 1130 | 1040 | 333 | e1290 | 1040 | 873 |
| 19 | 623 | 783 | 701 | 768 | 1200 | 1300 | 1140 | 1040 | 486 | e1300 | 1030 | 883 |
| 20 | 632 | 808 | 820 | 833 | 1360 | 1190 | 1100 | 1030 | 584 | e1070 | 1010 | 906 |
| 21 | 665 | 826 | 1250 | 905 | 1840 | 1090 | 1090 | 1030 | 670 | e1150 | 1040 | 936 |
| 22 | 670 | 848 | 1280 | 865 | 1600 | 1140 | 1080 | 1040 | 749 | e1150 | 1210 | 954 |
| 23 | 663 | 869 | 1080 | 817 | 1380 | 1130 | 1060 | 1050 | 810 | e1100 | 1070 | 964 |
| 24 | 650 | 889 | 936 | 774 | 1190 | 1070 | 1020 | 1060 | 844 | e1060 | 1100 | 969 |
| 25 | 641 | 912 | 844 | 726 | 1030 | 1040 | 984 | 1060 | e802 | e1020 | 1290 | 974 |
| 26 | 665 | 891 | 769 | 706 | 941 | 1060 | 982 | 1040 | e692 | e1000 | 1180 | 971 |
| 27 | 681 | 891 | 719 | 687 | 945 | 1070 | 994 | 959 | e593 | e1040 | 1070 | 988 |
| 28 | 692 | 921 | 720 | 696 | 920 | 1060 | 1000 | 815 | e563 | e1100 | 947 | 999 |
| 29 | 699 | 933 | 738 | 757 | 874 | 1050 | 1050 | 668 | e578 | e958 | 837 | 984 |
| 30 | 688 | 947 | 730 | 830 | --- | 1270 | 1110 | 546 | e607 | e911 | 959 | 994 |
| 31 | 681 | --- | 725 | 885 | --- | 1490 | --- | 450 | --- | e890 | 1020 | --- |
| TOTAL | 20508 | 22304 | 25411 | 26455 | 40724 | 37910 | 38850 | 30868 | 18675 | 27066 | 31376 | 32076 |
| MEAN | 662 | 743 | 820 | 853 | 1404 | 1223 | 1295 | 996 | 622 | 873 | 1012 | 1069 |
| MAX | 858 | 947 | 1280 | 1080 | 2510 | 1700 | 2020 | 1090 | 901 | 1300 | 1290 | 1870 |
| MIN | 586 | 625 | 646 | 687 | 874 | 916 | 982 | 450 | 257 | 335 | 837 | 873 |
| AC-FT | 40680 | 44240 | 50400 | 52470 | 80780 | 75190 | 77060 | 61230 | 37040 | 53690 | 62230 | 63620 |

CAL YR 1987 TOTAL 365145 MEAN 1000 MAX 2150 MIN 586 AC-FT 724300
WTR YR 1988 TOTAL 352223 MEAN 962 MAX 2510 MIN 257 AC-FT 698600

e Estimated.

## 07385500 BAYOU TECHE AT ARNAUDVILLE, LA--CONTINUED

### ELEVATION (FEET NGVD) WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13.30 | 12.51 | 13.64 | 12.98 | 15.64 | 13.56 | 16.41 | 13.76 | 10.93 | --- | --- | 14.17 |
| 2 | 12.79 | 12.48 | 13.58 | 13.32 | 19.73 | 13.79 | 18.69 | 13.76 | 10.70 | --- | --- | 14.31 |
| 3 | 12.27 | 12.39 | 13.50 | 13.49 | 19.78 | 15.08 | 19.03 | 13.84 | 10.26 | --- | --- | 14.71 |
| 4 | 12.10 | 12.33 | 13.40 | 13.43 | 19.45 | 14.93 | 18.61 | 13.85 | 9.94 | --- | --- | 17.65 |
| 5 | 12.15 | 12.32 | 13.27 | 13.07 | 19.01 | 14.49 | 17.91 | 13.84 | 10.50 | --- | --- | 18.20 |
| 6 | 12.30 | 12.30 | 13.11 | 13.10 | 18.77 | 14.12 | 17.16 | 13.83 | 11.54 | --- | 13.79 | 17.49 |
| 7 | 12.44 | 12.28 | 13.05 | 14.17 | 18.04 | 13.81 | 16.41 | 13.81 | 12.21 | --- | 13.85 | 16.32 |
| 8 | 12.49 | 12.29 | 13.05 | 14.25 | 17.17 | 14.32 | 15.73 | 13.81 | 12.63 | --- | 13.85 | 15.28 |
| 9 | 12.49 | 12.37 | 13.14 | 14.04 | 16.26 | 16.36 | 15.30 | 13.80 | 12.87 | --- | 13.85 | 14.49 |
| 10 | 12.48 | 12.42 | 13.08 | 13.84 | 15.32 | 16.82 | 14.97 | 13.80 | 12.94 | --- | 14.40 | 14.17 |
| 11 | 12.45 | 12.38 | 12.91 | 13.50 | 14.76 | 16.42 | 14.66 | 13.75 | 13.00 | --- | 14.37 | 14.01 |
| 12 | 12.42 | 12.39 | 12.72 | 13.41 | 14.31 | 16.01 | 14.50 | 13.62 | 13.06 | --- | 13.91 | 13.88 |
| 13 | 12.39 | 12.43 | 12.53 | 13.33 | 13.79 | 15.67 | 14.23 | 13.61 | 12.99 | --- | 13.67 | 13.91 |
| 14 | 12.36 | 12.48 | 12.40 | 13.17 | 13.63 | 15.40 | 14.23 | 13.62 | 12.41 | --- | 13.70 | 13.93 |
| 15 | 12.33 | 12.47 | 12.37 | 13.55 | 14.66 | 15.18 | 14.18 | 13.65 | 11.70 | --- | 13.78 | 13.94 |
| 16 | 12.27 | 12.59 | 12.70 | 13.59 | 14.83 | 15.00 | 14.08 | 13.67 | 11.02 | --- | 13.89 | 13.78 |
| 17 | 12.31 | 12.28 | 12.63 | 13.37 | 14.25 | 14.79 | 14.00 | 13.66 | 10.42 | --- | 13.99 | 13.41 |
| 18 | 12.36 | 12.70 | 12.46 | 13.10 | 16.05 | 15.37 | 14.03 | 13.65 | 10.38 | --- | 14.09 | 13.37 |
| 19 | 12.27 | 12.97 | 12.62 | 12.91 | 18.45 | 15.15 | 14.06 | 13.65 | 11.18 | --- | 14.03 | 13.41 |
| 20 | 12.31 | 13.08 | 13.14 | 13.19 | 18.17 | 14.70 | 13.92 | 13.62 | 11.66 | --- | 13.95 | 13.51 |
| 21 | 12.46 | 13.16 | 14.94 | 13.51 | 17.35 | 14.31 | 13.86 | 13.63 | 12.05 | --- | 14.09 | 13.64 |
| 22 | 12.48 | 13.26 | 15.07 | 13.33 | 16.41 | 14.49 | 13.82 | 13.65 | 12.39 | --- | 14.78 | 13.72 |
| 23 | 12.45 | 13.35 | 14.24 | 13.12 | 15.49 | 14.46 | 13.74 | 13.70 | 12.66 | --- | 14.20 | 13.76 |
| 24 | 12.39 | 13.44 | 13.64 | 12.93 | 14.71 | 14.22 | 13.57 | 13.74 | 12.81 | --- | 14.34 | 13.78 |
| 25 | 12.35 | 13.54 | 13.24 | 12.73 | 14.06 | 14.08 | 13.42 | 13.76 | --- | --- | 15.12 | 13.80 |
| 26 | 12.46 | 13.45 | 12.91 | 12.64 | 13.67 | 14.17 | 13.41 | 13.66 | --- | --- | 14.66 | 13.79 |
| 27 | 12.53 | 13.45 | 12.69 | 12.56 | 13.68 | 14.20 | 13.46 | 13.31 | --- | --- | 14.20 | 13.87 |
| 28 | 12.58 | 13.58 | 12.70 | 12.59 | 13.57 | 14.17 | 13.50 | 12.68 | --- | --- | 13.69 | 13.91 |
| 29 | 12.61 | 13.63 | 12.78 | 12.86 | 13.37 | 14.15 | 13.71 | 12.04 | --- | --- | 13.21 | 13.85 |
| 30 | 12.56 | 13.69 | 12.75 | 13.18 | --- | 15.05 | 13.97 | 11.48 | --- | --- | 13.74 | 13.89 |
| 31 | 12.53 | --- | 12.72 | 13.42 | --- | 15.97 | --- | 11.00 | --- | --- | 13.99 | --- |
| MAX | 13.30 | 13.69 | 15.07 | 14.25 | 19.78 | 16.82 | 19.03 | 13.85 | --- | --- | 15.12 | 18.20 |
| MIN | 12.10 | 12.28 | 12.37 | 12.56 | 13.37 | 13.56 | 13.41 | 11.00 | 9.94 | --- | --- | 13.37 |

## 07385700 BAYOU TECHE AT KEYSTONE LOCK AND DAM, NEAR ST. MARTINVILLE, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°04'15", long 91°49'45", on line between lots 8 and 17, T.11 S., R.6 E., St. Martin Parish, Hydrologic Unit 08080102, on right bank of concrete lock and dam, 3.5 mi south of St. Martinville, and 11 mi upstream from Loreauville Canal.

DRAINAGE AREA.--Indeterminate.

### WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1959 to current year. Daily gage heights since July 1913 in reports of Corps of Engineers.

GAGE.--Water-stage recorder and concrete dam. Datum of gage is mean low Gulf level or 0.78 ft below National Geodetic Vertical Datum of 1929. Water-stage recorder for Bayou Teche at Keystone Lock lower gage (station 07385702) used as auxiliary gage for this station.

REMARKS.--No estimated daily discharges. Records good. Bayou Teche heads in Bayou Courtableau at Port Barre. At high stages, considerable flow bypasses station by way of Bayou Courtableau at weirs near Krotz Springs. There is controlled diversion to or from Red River and Old River overflow area through Bayou des Glaises floodgates and to or from West Atchafalaya Floodway through Big D'Arbonne Bayou Culvert and since April 1956 through Bayou Courtableau Drainage Structure. Since April 1952, floodflow is diverted from Bayou Rapides (drainage area, 76.1 mi²) into Bayou Boeuf when stages of Red River make it necessary to close gates at mouth of Bayou Rapides. Teche-Vermilion fresh water diversion operational during the year anytime the flow in Bayou Courtableau does not bypass by way of Courtableau weirs near Krotz Springs. Dependent upon its gradient, Bayou Fusilier interchanges flow between Bayou Teche and Vermilion River. Water from irrigation is diverted through Ruth Canal (Station 07386700) into Vermilion River. Crest of dam raised from 8.0 ft to 9.47 ft in June 1957.

AVERAGE DISCHARGE.--29 years, 488 ft³/s, 353,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,970 ft³/s Sept. 5, 1973, maximum gage height, 16.15 ft Oct. 23, 1984; minimum discharge, no flow at times in 1962-64, 1972, and 1988.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height since July 1913, 24.30 ft May 27, 1927; minimum, 0.75 ft July 18, 1918.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,820 ft³/s Feb. 18, gage height, 12.67 ft; no flow at times during the year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 308 | 211 | 459 | 437 | 656 | 536 | 1170 | 385 | 105 | 87 | 281 | 377 |
| 2 | 267 | 206 | 451 | 502 | 1260 | 633 | 1610 | 345 | 98 | 90 | 274 | 388 |
| 3 | 210 | 202 | 447 | 502 | 1490 | 1010 | 1410 | 346 | 86 | 86 | 286 | 470 |
| 4 | 169 | 192 | 437 | 507 | 1540 | 822 | 1280 | 346 | 73 | 76 | 303 | 962 |
| 5 | 169 | 195 | 412 | 463 | 1570 | 737 | 1190 | 337 | 72 | 44 | 317 | 1060 |
| 6 | 184 | 251 | 392 | 439 | 1520 | 669 | 1080 | 322 | 174 | .61 | 350 | 984 |
| 7 | 197 | 264 | 431 | 707 | 1330 | 607 | 961 | 324 | 280 | .00 | 350 | 859 |
| 8 | 202 | 275 | 400 | 719 | 1190 | 710 | 856 | 328 | 353 | .00 | 324 | 710 |
| 9 | 209 | 292 | 399 | 645 | 1040 | 994 | 769 | 352 | 374 | 9.3 | 319 | 577 |
| 10 | 213 | 284 | 399 | 599 | 903 | 1050 | 706 | 345 | 208 | 103 | 800 | 474 |
| 11 | 206 | 276 | 385 | 553 | 807 | 1000 | 624 | 332 | 183 | 143 | 744 | 429 |
| 12 | 200 | 281 | 367 | 519 | 713 | 956 | 575 | 314 | 190 | 231 | 510 | 391 |
| 13 | 180 | 292 | 337 | 547 | 632 | 893 | 520 | 313 | 198 | 335 | 389 | 367 |
| 14 | 174 | 300 | 316 | 491 | 582 | 839 | 475 | 305 | 163 | 361 | 348 | 360 |
| 15 | 178 | 302 | 328 | 507 | 731 | 793 | 461 | 305 | 92 | 359 | 346 | 362 |
| 16 | 176 | 362 | 327 | 553 | 739 | 762 | 428 | 305 | 77 | 354 | 346 | 372 |
| 17 | 174 | 375 | 358 | 541 | 713 | 733 | 388 | 306 | 72 | 397 | 418 | 309 |
| 18 | 179 | 305 | 344 | 504 | 1780 | 864 | 428 | 303 | 23 | 586 | 406 | 270 |
| 19 | 174 | 348 | 342 | 473 | 1830 | 823 | 419 | 300 | .00 | 627 | 418 | 267 |
| 20 | 176 | 358 | 404 | 487 | 1390 | 753 | 370 | 301 | 2.5 | 522 | 384 | 263 |
| 21 | 178 | 364 | 655 | 527 | 1240 | 681 | 338 | 333 | 77 | 445 | 409 | 273 |
| 22 | 183 | 386 | 813 | 533 | 1080 | 654 | 331 | 355 | 126 | 438 | 528 | 280 |
| 23 | 194 | 401 | 693 | 488 | 955 | 671 | 333 | 350 | 160 | 381 | 456 | 294 |
| 24 | 186 | 409 | 570 | 465 | 817 | 660 | 316 | 335 | 189 | 338 | 401 | 299 |
| 25 | 182 | 430 | 499 | 438 | 708 | 625 | 286 | 328 | 327 | 333 | 493 | 302 |
| 26 | 223 | 431 | 444 | 411 | 621 | 620 | 273 | 308 | 242 | 382 | 506 | 300 |
| 27 | 226 | 422 | 403 | 408 | 595 | 623 | 278 | 286 | 114 | 366 | 430 | 295 |
| 28 | 204 | 453 | 381 | 400 | 588 | 617 | 283 | 227 | 79 | 520 | 357 | 303 |
| 29 | 207 | 446 | 384 | 429 | 557 | 659 | 312 | 159 | 74 | 441 | 274 | 308 |
| 30 | 215 | 463 | 386 | 471 | --- | 1150 | 422 | 139 | 77 | 354 | 288 | 322 |
| 31 | 212 | --- | 395 | 509 | --- | 1040 | --- | 123 | --- | 306 | 340 | --- |
| TOTAL | 6155 | 9776 | 13358 | 15774 | 29577 | 24184 | 18892 | 9457 | 4288.50 | 8714.91 | 12395 | 13227 |
| MEAN | 199 | 326 | 431 | 509 | 1020 | 780 | 630 | 305 | 143 | 281 | 400 | 441 |
| MAX | 308 | 463 | 813 | 719 | 1830 | 1150 | 1610 | 385 | 374 | 627 | 800 | 1060 |
| MIN | 169 | 192 | 316 | 400 | 557 | 536 | 273 | 123 | .00 | .00 | 274 | 263 |
| AC-FT | 12210 | 19390 | 26500 | 31290 | 58670 | 47970 | 37470 | 18760 | 8510 | 17290 | 24590 | 26240 |

CAL YR 1987 TOTAL 154216 MEAN 423 MAX 1390 MIN 169 AC-FT 305900
WTR YR 1988 TOTAL 165798.41 MEAN 453 MAX 1830 MIN .00 AC-FT 328900

### 07385700 BAYOU TECHE AT KEYSTONE LOCK AND DAM, NEAR ST. MARTINVILLE, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 10.16 | 10.00 | 10.31 | 10.28 | 10.50 | 10.38 | 10.98 | 10.20 | 9.78 | 9.74 | 10.07 | 10.19 |
| 2 | 10.10 | 9.99 | 10.30 | 10.35 | 11.07 | 10.47 | 11.62 | 10.16 | 9.77 | 9.75 | 10.06 | 10.21 |
| 3 | 10.01 | 9.98 | 10.30 | 10.35 | 11.27 | 10.85 | 11.19 | 10.16 | 9.74 | 9.74 | 10.08 | 10.30 |
| 4 | 9.93 | 9.96 | 10.29 | 10.35 | 11.31 | 10.66 | 11.08 | 10.16 | 9.71 | 9.71 | 10.10 | 10.80 |
| 5 | 9.93 | 9.97 | 10.27 | 10.31 | 11.32 | 10.58 | 11.01 | 10.15 | 9.70 | 9.62 | 10.12 | 10.89 |
| 6 | 9.96 | 10.06 | 10.24 | 10.28 | 11.28 | 10.51 | 10.91 | 10.13 | 9.91 | 9.34 | 10.16 | 10.82 |
| 7 | 9.98 | 10.09 | 10.28 | 10.56 | 11.13 | 10.45 | 10.80 | 10.13 | 10.07 | 9.13 | 10.16 | 10.70 |
| 8 | 9.99 | 10.10 | 10.25 | 10.58 | 11.01 | 10.55 | 10.70 | 10.14 | 10.16 | 9.18 | 10.13 | 10.56 |
| 9 | 10.00 | 10.12 | 10.25 | 10.50 | 10.88 | 10.83 | 10.61 | 10.16 | 10.19 | 9.46 | 10.12 | 10.42 |
| 10 | 10.00 | 10.11 | 10.25 | 10.46 | 10.74 | 10.88 | 10.54 | 10.16 | 9.96 | 9.77 | 10.63 | 10.32 |
| 11 | 9.99 | 10.10 | 10.23 | 10.40 | 10.65 | 10.84 | 10.47 | 10.14 | 9.92 | 9.85 | 10.58 | 10.27 |
| 12 | 9.98 | 10.10 | 10.21 | 10.37 | 10.55 | 10.80 | 10.41 | 10.12 | 9.94 | 10.00 | 10.34 | 10.22 |
| 13 | 9.95 | 10.12 | 10.17 | 10.40 | 10.47 | 10.73 | 10.36 | 10.12 | 9.95 | 10.14 | 10.21 | 10.20 |
| 14 | 9.94 | 10.13 | 10.14 | 10.34 | 10.42 | 10.68 | 10.30 | 10.11 | 9.89 | 10.17 | 10.16 | 10.19 |
| 15 | 9.95 | 10.13 | 10.16 | 10.35 | 10.57 | 10.63 | 10.29 | 10.11 | 9.75 | 10.17 | 10.16 | 10.20 |
| 16 | 9.95 | 10.20 | 10.15 | 10.40 | 10.58 | 10.60 | 10.26 | 10.11 | 9.71 | 10.16 | 10.16 | 10.22 |
| 17 | 9.94 | 10.22 | 10.19 | 10.39 | 10.55 | 10.57 | 10.21 | 10.11 | 9.70 | 10.21 | 10.24 | 10.14 |
| 18 | 9.95 | 10.14 | 10.17 | 10.35 | 11.70 | 10.71 | 10.25 | 10.10 | 9.58 | 10.42 | 10.23 | 10.09 |
| 19 | 9.94 | 10.19 | 10.17 | 10.31 | 11.75 | 10.66 | 10.25 | 10.10 | 9.28 | 10.47 | 10.24 | 10.08 |
| 20 | 9.95 | 10.20 | 10.25 | 10.33 | 11.18 | 10.59 | 10.18 | 10.10 | 9.45 | 10.36 | 10.20 | 10.08 |
| 21 | 9.95 | 10.21 | 10.52 | 10.37 | 11.05 | 10.52 | 10.15 | 10.14 | 9.72 | 10.27 | 10.23 | 10.10 |
| 22 | 9.96 | 10.23 | 10.68 | 10.37 | 10.91 | 10.50 | 10.14 | 10.17 | 9.82 | 10.26 | 10.36 | 10.11 |
| 23 | 9.98 | 10.25 | 10.56 | 10.33 | 10.79 | 10.51 | 10.14 | 10.16 | 9.89 | 10.20 | 10.28 | 10.13 |
| 24 | 9.97 | 10.26 | 10.43 | 10.30 | 10.66 | 10.50 | 10.12 | 10.15 | 9.93 | 10.15 | 10.22 | 10.14 |
| 25 | 9.96 | 10.29 | 10.35 | 10.27 | 10.55 | 10.47 | 10.08 | 10.13 | 10.12 | 10.14 | 10.33 | 10.15 |
| 26 | 10.02 | 10.29 | 10.29 | 10.24 | 10.46 | 10.46 | 10.06 | 10.11 | 10.01 | 10.20 | 10.34 | 10.15 |
| 27 | 10.02 | 10.28 | 10.25 | 10.24 | 10.43 | 10.46 | 10.07 | 10.08 | 9.80 | 10.18 | 10.26 | 10.14 |
| 28 | 9.99 | 10.31 | 10.22 | 10.23 | 10.42 | 10.46 | 10.07 | 9.99 | 9.72 | 10.36 | 10.17 | 10.15 |
| 29 | 9.99 | 10.30 | 10.22 | 10.26 | 10.39 | 10.50 | 10.11 | 9.88 | 9.70 | 10.27 | 10.06 | 10.16 |
| 30 | 10.01 | 10.32 | 10.22 | 10.31 | --- | 10.97 | 10.25 | 9.85 | 9.72 | 10.17 | 10.08 | 10.19 |
| 31 | 10.00 | --- | 10.23 | 10.35 | --- | 10.87 | --- | 9.81 | --- | 10.11 | 10.15 | --- |
| MAX | 10.16 | 10.32 | 10.68 | 10.58 | 11.75 | 10.97 | 11.62 | 10.20 | 10.19 | 10.47 | 10.63 | 10.89 |
| MIN | 9.93 | 9.96 | 10.14 | 10.23 | 10.39 | 10.38 | 10.06 | 9.81 | 9.28 | 9.13 | 10.06 | 10.08 |

## 07385700 BAYOU TECHE AT KEYSTONE LOCK AND DAM, NEAR ST. MARTINVILLE, LA--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1966-67, 1975 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1974 to September 1981.
WATER TEMPERATURES: October 1974 to September 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 522 micromhos July 22, 1980; minimum daily, 39 micromhos May 19, 1980.
WATER TEMPERATURES: Maximum daily, 36.0°C July 8, 1980; minimum daily, 3.5°C Jan. 19, 1977.

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | DISCHARGE, IN CUBIC FEET PER SECOND | SPECIFIC CONDUCTANCE (US/CM) | PH (STANDARD UNITS) | TEMPERATURE WATER (DEG C) | COLOR (PLATINUM-COBALT UNITS) | TURBIDITY (NTU) | OXYGEN, DISSOLVED (MG/L) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) | STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 06... | 1030 | 184 | 496 | 7.80 | 23.0 | 10 | 6.8 | 6.4 | 1.2 | K30 | 150 |
| JAN 1988 | | | | | | | | | | | |
| 15... | 0945 | 507 | 167 | 7.25 | 6.0 | 100 | 40 | 12.1 | 2.5 | 1100 | 3700 |
| JUN | | | | | | | | | | | |
| 29... | 1130 | 74 | 438 | 7.40 | 31.0 | 15 | 22 | 4.4 | 1.8 | -- | 90 |
| SEP | | | | | | | | | | | |
| 30... | 1230 | 322 | 498 | 8.26 | 27.5 | 5 | 9.8 | 5.5 | 1.1 | K1400 | 450 |

| DATE | HARDNESS TOTAL (MG/L AS CACO3) | CALCIUM DISSOLVED (MG/L AS CA) | MAGNESIUM, DISSOLVED (MG/L AS MG) | SODIUM, DISSOLVED (MG/L AS NA) | POTASSIUM, DISSOLVED (MG/L AS K) | ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DISSOLVED (MG/L AS SO4) | CHLORIDE, DISSOLVED (MG/L AS CL) | FLUORIDE, DISSOLVED (MG/L AS F) | SILICA, DISSOLVED (MG/L AS SIO2) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 06... | 150 | 37 | 13 | 42 | 4.1 | 116 | 53 | 50 | 0.2 | 9.4 | 282 |
| JAN 1988 | | | | | | | | | | | |
| 15... | 43 | 10 | 4.4 | 14 | 2.5 | 41 | 11 | 16 | 0.1 | 11 | 96 |
| JUN | | | | | | | | | | | |
| 29... | 140 | 34 | 13 | 35 | 4.0 | 108 | 46 | 36 | 0.3 | 5.9 | 248 |
| SEP | | | | | | | | | | | |
| 30... | 150 | 36 | 14 | 45 | 4.0 | -- | 57 | 42 | 0.2 | 7.6 | 272 |

| DATE | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) | NITROGEN, NITRITE DISSOLVED (MG/L AS N) | NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) | NITROGEN, AMMONIA TOTAL (MG/L AS N) | NITROGEN, AMMONIA DISSOLVED (MG/L AS N) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) | PHOSPHOROUS TOTAL (MG/L AS P) | PHOSPHOROUS DISSOLVED (MG/L AS P) | PHOSPHOROUS ORTHO, DISSOLVED (MG/L AS P) | ALUMINUM, DISSOLVED (UG/L AS AL) | ARSENIC DISSOLVED (UG/L AS AS) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 06... | 281 | <0.01 | 0.61 | 0.08 | 0.07 | 0.5 | 0.20 | 0.17 | 0.10 | <10 | 2 |
| JAN 1988 | | | | | | | | | | | |
| 15... | 96 | <0.01 | 0.15 | 0.13 | 0.09 | 1.0 | 0.28 | 0.15 | 0.13 | 110 | 1 |
| JUN | | | | | | | | | | | |
| 29... | 260 | 0.07 | 0.88 | 0.15 | 0.15 | 0.8 | 0.25 | 0.18 | 0.16 | <10 | 2 |
| SEP | | | | | | | | | | | |
| 30... | 280 | <0.01 | 0.41 | 0.07 | 0.07 | 0.3 | 0.16 | 0.13 | 0.11 | <10 | 3 |

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal colony count).

## 07385700 BAYOU TECHE AT KEYSTONE LOCK AND DAM, NEAR ST. MARTINVILLE, LA--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | BARIUM, DIS- SOLVED (UG/L AS BA) | BERYL- LIUM, DIS- SOLVED (UG/L AS BE) | CADMIUM DIS- SOLVED (UG/L AS CD) | CHRO- MIUM, DIS- SOLVED (UG/L AS CR) | COBALT, DIS- SOLVED (UG/L AS CO) | COPPER, DIS- SOLVED (UG/L AS CU) | IRON, DIS- SOLVED (UG/L AS FE) | LEAD, DIS- SOLVED (UG/L AS PB) | LITHIUM DIS- SOLVED (UG/L AS LI) | MANGA- NESE, DIS- SOLVED (UG/L AS MN) | MERCURY DIS- SOLVED (UG/L AS HG) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 06... | 82 | <0.5 | <1 | <1 | <3 | 4 | 12 | <5 | 11 | 35 | <0.1 |
| JAN 1988 | | | | | | | | | | | |
| 15... | 36 | <0.5 | <1 | <1 | <3 | 4 | 220 | <5 | <4 | 24 | <0.1 |
| JUN | | | | | | | | | | | |
| 29... | 87 | <0.5 | 11 | <1 | <3 | 3 | 9 | <5 | 10 | 56 | <0.1 |
| SEP | | | | | | | | | | | |
| 30... | 91 | <0.5 | <1 | <1 | <3 | <1 | 14 | <5 | 17 | 28 | <0.1 |

| DATE | MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) | NICKEL, DIS- SOLVED (UG/L AS NI) | SELE- NIUM, DIS- SOLVED (UG/L AS SE) | SILVER, DIS- SOLVED (UG/L AS AG) | STRON- TIUM, DIS- SOLVED (UG/L AS SR) | VANA- DIUM, DIS- SOLVED (UG/L AS V) | ZINC, DIS- SOLVED (UG/L AS ZN) | SEDI- MENT, SUS- PENDED (MG/L) | SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 06... | <10 | <1 | <1 | <1 | 210 | <6 | <3 | 7 | 3.5 | 91 |
| JAN 1988 | | | | | | | | | | |
| 15... | <10 | 2 | <1 | <1 | 49 | <6 | 7 | 29 | 40 | 100 |
| JUN | | | | | | | | | | |
| 29... | <10 | 1 | <1 | <1 | 58 | <6 | <3 | 4 | 0.80 | 100 |
| SEP | | | | | | | | | | |
| 30... | <10 | 2 | <1 | <1 | 220 | <6 | 23 | 9 | 7.8 | 100 |

< Actual value is known to be less than the value shown.

## 07385800 BAYOU TECHE AT FRANKLIN, LA

LOCATION.--Lat 29°47'30", long 91°29'56", in sec.68, T.14 S., R.9 E., St. Helena Meridian, St. Mary Parish, Hydrologic Unit 08080102, on downstream side of bridge, 0.1 mi east of Willow Street and State Highway 182 intersection, at Franklin.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1984 to current year.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,160 $ft^3/s$ Nov. 16, 1987; maximum elevation, 4.19 ft Oct. 29, 1985; minimum discharge, -1,400 $ft^3/s$ Apr. 5, 1988; minimum elevation, -0.35 ft Oct. 21, 1987.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,160 $ft^3/s$ Nov. 16; maximum elevation, 3.33 ft Sept. 4; minimum discharge, -1,400 $ft^3/s$ Apr. 5; minimum elevation, 0.35 ft Oct. 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | -161 | -111 | -406 | -453 | -407 | -669 | -559 | -248 | -146 | -166 | -63 | -69 |
| 2 | -279 | -124 | -413 | -472 | -393 | -586 | -791 | -174 | -87 | -104 | -67 | -27 |
| 3 | -218 | -120 | -411 | -402 | -475 | -482 | -256 | -178 | -136 | -118 | -36 | 24 |
| 4 | -202 | -139 | -353 | -613 | -465 | -924 | -555 | -406 | -111 | -141 | -128 | -4.9 |
| 5 | -258 | -231 | -312 | -572 | -534 | -704 | -417 | -416 | -138 | -165 | -119 | 93 |
| 6 | -191 | -153 | -417 | -636 | -425 | -641 | -894 | -613 | -108 | -105 | -188 | 87 |
| 7 | -151 | -210 | -396 | -617 | -309 | -612 | -695 | -686 | -177 | -112 | -153 | 75 |
| 8 | -196 | -208 | -414 | -711 | -352 | -463 | -492 | -536 | -160 | -85 | -44 | -14 |
| 9 | -196 | -203 | -421 | -668 | -405 | -516 | -684 | -406 | -180 | -79 | -143 | -45 |
| 10 | -125 | -201 | -382 | -732 | -324 | -475 | -633 | -460 | -83 | -76 | -39 | -202 |
| 11 | -161 | -23 | -397 | -666 | -540 | -299 | -918 | -450 | -118 | -13 | -88 | -89 |
| 12 | -139 | -122 | -406 | -696 | -555 | -302 | -713 | -363 | -160 | -3.8 | 36 | -79 |
| 13 | -144 | -167 | -435 | -812 | -646 | -525 | -776 | -339 | -175 | 38 | 27 | -55 |
| 14 | -238 | -237 | -404 | -780 | -577 | -753 | -801 | -360 | -164 | 46 | -6.7 | -31 |
| 15 | -278 | -304 | -472 | -833 | -694 | -760 | -627 | -343 | -128 | 17 | -16 | 67 |
| 16 | -222 | -190 | -371 | -815 | -580 | -696 | -546 | -346 | -98 | 33 | -24 | 233 |
| 17 | -171 | -365 | -387 | -528 | -655 | -894 | -566 | -297 | -99 | -6.7 | -14 | 171 |
| 18 | -151 | -293 | -378 | -498 | -603 | -788 | -262 | -265 | -90 | 7.8 | .23 | -2.9 |
| 19 | -178 | -471 | -438 | -138 | -345 | -760 | -617 | -223 | -104 | -28 | 43 | 78 |
| 20 | -147 | -456 | -512 | -513 | -373 | -735 | -409 | -215 | -102 | 60 | 15 | 16 |
| 21 | -103 | -423 | -485 | -669 | -363 | -790 | -367 | -237 | -95 | 77 | -19 | 14 |
| 22 | -138 | -483 | -428 | -607 | -229 | -800 | -330 | -138 | -143 | 13 | -6.4 | -12 |
| 23 | -247 | -496 | -427 | -670 | -266 | -570 | -271 | -179 | -121 | 14 | -8.7 | -51 |
| 24 | -192 | -485 | -443 | -657 | -279 | -633 | -531 | -67 | -113 | -29 | -24 | -52 |
| 25 | -158 | -540 | -475 | -718 | -276 | -930 | -390 | -24 | -71 | -64 | -29 | -48 |
| 26 | -163 | -457 | -545 | -604 | -545 | -755 | -532 | -93 | 12 | -70 | -15 | -10 |
| 27 | -139 | -470 | -539 | -725 | -567 | -864 | -549 | -187 | -101 | -74 | -47 | -56 |
| 28 | -96 | -378 | -570 | -694 | -572 | -890 | -633 | -202 | -126 | -78 | -41 | -113 |
| 29 | -200 | -392 | -639 | -654 | -638 | -819 | -455 | -190 | -171 | -82 | -71 | -142 |
| 30 | -189 | -418 | -638 | -578 | --- | -958 | -226 | -188 | -173 | -63 | -39 | -171 |
| 31 | -160 | --- | -279 | -560 | --- | -934 | --- | -174 | --- | -67 | -76 | --- |
| TOTAL | -5591 | -8870 | -13593 | -19291 | -13392 | -21527 | -16495 | -9003 | -3666 | -1423.7 | -1383.57 | -415.8 |
| MEAN | -180 | -296 | -438 | -622 | -462 | -694 | -550 | -290 | -122 | -45.9 | -44.6 | -13.9 |
| MAX | -96 | -23 | -279 | -138 | -229 | -299 | -226 | -24 | 12 | 77 | 43 | 233 |
| MIN | -279 | -540 | -639 | -833 | -694 | -958 | -918 | -686 | -180 | -166 | -188 | -202 |
| AC-FT | -11090 | -17590 | -26960 | -38260 | -26560 | -42700 | -32720 | -17860 | -7270 | -2820 | -2740 | -825 |

CAL YR 1987 TOTAL -132402 MEAN -363 MAX 49 MIN -1070 AC-FT -262600
WTR YR 1988 TOTAL -114651.07 MEAN -313 MAX 233 MIN -958 AC-FT -227400

## 07385800 BAYOU TECHE AT FRANKLIN, LA--CONTINUED

### ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .90 | 1.21 | 1.14 | 1.19 | 1.84 | 1.43 | 2.61 | 1.79 | 1.67 | 1.43 | 1.29 | 1.41 |
| 2 | 1.35 | 1.24 | 1.22 | .89 | 2.01 | 1.70 | 2.97 | 1.92 | 1.52 | 1.37 | 1.25 | 1.57 |
| 3 | .82 | 1.29 | 1.40 | 1.29 | 2.02 | 2.51 | 3.04 | 2.00 | 1.48 | 1.27 | 1.15 | 1.93 |
| 4 | .77 | 1.43 | 1.24 | 1.18 | 1.90 | 2.25 | 2.92 | 1.76 | 1.39 | 1.16 | 1.28 | 2.42 |
| 5 | 1.23 | 1.45 | 1.18 | .99 | 1.47 | 1.92 | 2.75 | 1.40 | 1.13 | 1.09 | 1.21 | 1.75 |
| 6 | 1.18 | .83 | 1.65 | 1.24 | 1.43 | 1.83 | 2.39 | 1.50 | 1.02 | 1.18 | 1.37 | 1.65 |
| 7 | .81 | 1.43 | 2.03 | 1.73 | 1.64 | 1.69 | 2.09 | 1.57 | 1.23 | 1.47 | 1.13 | 1.53 |
| 8 | .94 | 1.69 | 1.79 | 1.24 | 1.60 | 1.80 | 2.07 | 1.85 | 1.24 | 1.53 | .39 | 1.62 |
| 9 | 1.30 | 1.98 | 1.76 | 1.46 | 1.55 | 1.83 | 2.02 | 1.90 | 1.35 | 1.78 | .66 | 1.64 |
| 10 | 1.08 | 1.14 | 1.56 | 1.29 | 1.55 | 1.62 | 1.85 | 1.60 | .98 | 1.85 | 1.89 | 1.77 |
| 11 | 1.17 | .10 | 1.51 | 1.31 | 1.62 | 1.82 | 1.49 | 1.32 | .99 | 1.71 | 1.83 | 1.74 |
| 12 | .40 | .64 | 1.54 | 1.58 | 1.13 | 1.96 | 1.05 | 1.17 | 1.28 | 1.75 | 1.48 | 1.73 |
| 13 | .36 | .82 | 1.65 | 1.49 | 1.35 | 1.63 | 1.11 | 1.29 | 1.46 | 1.72 | 1.48 | 1.69 |
| 14 | 1.04 | 1.19 | 2.09 | 1.28 | 1.54 | 1.43 | 1.24 | 1.24 | 1.62 | 1.47 | 1.56 | 1.61 |
| 15 | 1.17 | 1.60 | 1.73 | 1.59 | 1.87 | 1.17 | 1.39 | 1.18 | 1.51 | 1.28 | 1.32 | 1.93 |
| 16 | 1.24 | 2.41 | .73 | 1.69 | 1.56 | 1.27 | 1.55 | 1.16 | 1.37 | 1.13 | .96 | 2.44 |
| 17 | 1.11 | 1.99 | .81 | 1.91 | 1.93 | 1.53 | 1.83 | 1.03 | 1.21 | 1.03 | 1.33 | 2.64 |
| 18 | .99 | 1.68 | 1.24 | 1.87 | 2.37 | 1.70 | 2.19 | .98 | 1.11 | 1.12 | 1.44 | 2.37 |
| 19 | 1.18 | 1.64 | 1.47 | 2.24 | 2.52 | .97 | 1.68 | 1.07 | 1.16 | 1.49 | 1.21 | 2.23 |
| 20 | 1.32 | 1.16 | 1.65 | 2.03 | 2.30 | 1.04 | 1.69 | 1.17 | 1.12 | 1.49 | 1.19 | 1.95 |
| 21 | .30 | 1.16 | 1.54 | 1.48 | 2.19 | 1.17 | 1.83 | 1.58 | 1.22 | 1.21 | 1.21 | 1.70 |
| 22 | 1.02 | 1.60 | 1.77 | 1.36 | 2.15 | 1.12 | 1.81 | 2.11 | 1.44 | .97 | 1.15 | 1.60 |
| 23 | 1.32 | 1.80 | 1.70 | 1.33 | 2.09 | 1.28 | 1.80 | 1.77 | 1.31 | .81 | 1.29 | 1.57 |
| 24 | 1.46 | 1.84 | 1.90 | 1.54 | 1.75 | 1.54 | 1.72 | 1.41 | 1.73 | .82 | 1.32 | 1.66 |
| 25 | 1.31 | 1.98 | 1.98 | 1.15 | 1.79 | 1.58 | 1.81 | .74 | 1.96 | .92 | 1.20 | 1.45 |
| 26 | 1.54 | 1.87 | 1.93 | .87 | 1.67 | 1.46 | 1.54 | .81 | 1.48 | .92 | 1.23 | 1.07 |
| 27 | 1.08 | 1.62 | 1.73 | 1.07 | 1.49 | 1.37 | 1.33 | 1.23 | 1.34 | .95 | 1.44 | 1.11 |
| 28 | .81 | 1.03 | 1.12 | 1.15 | 1.44 | 1.59 | 1.30 | 1.46 | 1.26 | 1.08 | 1.45 | 1.31 |
| 29 | 1.15 | 1.21 | .84 | 1.28 | 1.49 | 1.65 | 1.73 | 1.60 | 1.28 | 1.26 | 1.36 | 1.47 |
| 30 | 1.19 | 1.38 | 1.19 | 1.49 | --- | 2.34 | 1.85 | 1.69 | 1.40 | 1.32 | 1.10 | 1.87 |
| 31 | 1.19 | --- | 1.40 | 1.62 | --- | 2.29 | --- | 1.70 | --- | 1.35 | 1.24 | --- |
| MAX | 1.54 | 2.41 | 2.09 | 2.24 | 2.52 | 2.51 | 3.04 | 2.11 | 1.96 | 1.85 | 1.89 | 2.64 |
| MIN | .30 | .10 | .73 | .87 | 1.13 | .97 | 1.05 | .74 | .98 | .81 | .39 | 1.07 |

## 07386200 BAYOU FUSILIER AT WEIR, AT ARNAUDVILLE, LA

LOCATION.--Lat 30°23'55", long 91°56'41", in center of N 1/2 lot 45 T.7 S., R.5 E., Louisiana meridian, St. Landry Parish, Hydrologic Unit 08080103, on right bank 95 ft upstream from weir, 0.6 mi west of Arnaudville, and 0.9 mi downstream from point of diversion from Bayou Teche.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1980 to September 1982 (elevation only). October 1982 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Feb. 2-8, 19-24, Mar. 9-11, Apr. 1-6, and Sept. 4-8 (indefinite stage-discharge relationship). Records fair, except those above 660 $ft^3/s$ and estimated daily discharges, which are poor. Bayou Fusilier is a distributary of Bayou Teche into the Vermilion River basin. For other diversions that occur in the Bayou Teche basin above this distributary, see Bayou Teche at Arnaudville (station 07385500). In extreme floods, reverse flow observed. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 21.97 ft Oct. 31, 1985; minimum, 9.07 ft June 11, 12, 13, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 609 $ft^3/s$ Apr. 7; minimum daily (unaffected by backwater), 11 $ft^3/s$ June 4; maximum daily reverse flow, -150 $ft^3/s$ Feb. 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 214 | 146 | 223 | 169 | 479 | 233 | e450 | 269 | 61 | 120 | 230 | 304 |
| 2 | 171 | 143 | 217 | 192 | e320 | 252 | e360 | 268 | 49 | 120 | 232 | 319 |
| 3 | 134 | 138 | 211 | 206 | e90 | 431 | e50 | 275 | 24 | 110 | 245 | 365 |
| 4 | 123 | 134 | 204 | 202 | e270 | 403 | e20 | 276 | 11 | 78 | 254 | e200 |
| 5 | 127 | 133 | 193 | 174 | e280 | 337 | e150 | 276 | 35 | 50 | 262 | e-100 |
| 6 | 137 | 132 | 181 | 175 | e300 | 291 | e300 | 274 | 95 | 35 | 268 | e50 |
| 7 | 146 | 130 | 173 | 281 | e310 | 258 | 609 | 273 | 139 | 38 | 274 | e130 |
| 8 | 148 | 131 | 171 | 311 | e330 | 321 | 487 | 272 | 169 | 68 | 273 | e210 |
| 9 | 149 | 135 | 177 | 260 | e370 | e200 | 428 | 271 | 188 | 90 | 273 | 357 |
| 10 | 148 | 138 | 173 | 240 | 430 | e100 | 390 | 271 | 195 | 109 | 331 | 310 |
| 11 | 146 | 137 | 161 | 226 | 355 | e220 | 353 | 267 | 200 | 132 | 332 | 291 |
| 12 | 144 | 137 | 147 | 218 | 304 | 509 | 335 | 255 | 206 | 246 | 281 | 277 |
| 13 | 141 | 140 | 135 | 213 | 247 | 459 | 304 | 254 | 200 | 294 | 257 | 280 |
| 14 | 139 | 142 | 126 | 200 | 230 | 427 | 304 | 253 | 154 | 296 | 259 | 281 |
| 15 | 137 | 141 | 124 | 227 | 340 | 404 | 300 | 256 | 106 | 291 | 266 | 284 |
| 16 | 133 | 148 | 144 | 233 | 358 | 387 | 288 | 259 | 67 | 283 | 277 | 266 |
| 17 | 136 | 128 | 147 | 215 | 286 | 365 | 280 | 259 | 34 | 274 | 286 | 232 |
| 18 | 138 | 154 | 135 | 195 | 586 | 441 | 282 | 257 | 28 | 374 | 297 | 231 |
| 19 | 132 | 175 | 140 | 178 | e150 | 419 | 287 | 257 | 75 | 404 | 291 | 234 |
| 20 | 135 | 182 | 172 | 197 | e-150 | 357 | 274 | 255 | 103 | 288 | 282 | 243 |
| 21 | 144 | 188 | 378 | 223 | e110 | 312 | 267 | 257 | 128 | 306 | 297 | 255 |
| 22 | 145 | 195 | 443 | 211 | e150 | 332 | 263 | 261 | 152 | 311 | 377 | 262 |
| 23 | 143 | 201 | 313 | 194 | e200 | 327 | 256 | 264 | 172 | 285 | 310 | 266 |
| 24 | 139 | 208 | 229 | 178 | e260 | 303 | 240 | 265 | 185 | 270 | 321 | 268 |
| 25 | 136 | 215 | 191 | 164 | 297 | 287 | 231 | 267 | 191 | 270 | 413 | 270 |
| 26 | 144 | 208 | 165 | 158 | 246 | 297 | 236 | 257 | 152 | 279 | 361 | 269 |
| 27 | 147 | 206 | 149 | 154 | 245 | 301 | 241 | 228 | 116 | 310 | 309 | 276 |
| 28 | 151 | 217 | 149 | 158 | 235 | 297 | 245 | 175 | 105 | 366 | 259 | 280 |
| 29 | 153 | 222 | 155 | 176 | 217 | 295 | 263 | 128 | 108 | 278 | 215 | 274 |
| 30 | 149 | 227 | 153 | 199 | --- | 392 | 289 | 93 | 116 | 247 | 263 | 279 |
| 31 | 147 | --- | 152 | 218 | --- | 515 | --- | 66 | --- | 237 | 286 | --- |
| TOTAL | 4476 | 4931 | 5831 | 6345 | 7845 | 10472 | 8782 | 7558 | 3564 | 6859 | 8881 | 7463 |
| MEAN | 144 | 164 | 188 | 205 | 271 | 338 | 293 | 244 | 119 | 221 | 286 | 249 |
| MAX | 214 | 227 | 443 | 311 | 586 | 515 | 609 | 276 | 206 | 404 | 413 | 365 |
| MIN | 123 | 128 | 124 | 154 | -150 | 100 | 20 | 66 | 11 | 35 | 215 | -100 |

CAL YR 1987 TOTAL 97506 MEAN 267 MAX 650 MIN 123
WTR YR 1988 TOTAL 83007 MEAN 227 MAX 609 MIN -150

e Estimated.

## 07386200 BAYOU FUSILIER AT WEIR, AT ARNAUDVILLE, LA--CONTINUED

### ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 12.49 | 11.70 | 12.59 | 11.99 | 14.79 | 12.69 | 15.68 | 13.05 | 10.40 | 11.34 | 12.66 | 13.38 |
| 2 | 12.00 | 11.66 | 12.53 | 12.26 | 19.10 | 12.89 | 18.12 | 13.04 | 10.20 | 11.35 | 12.69 | 13.51 |
| 3 | 11.54 | 11.59 | 12.46 | 12.41 | 19.39 | 14.42 | 18.62 | 13.11 | 9.79 | 11.20 | 12.82 | 13.91 |
| 4 | 11.39 | 11.54 | 12.38 | 12.36 | 19.10 | 14.21 | 18.18 | 13.12 | 9.48 | 10.69 | 12.91 | 17.10 |
| 5 | 11.44 | 11.52 | 12.26 | 12.05 | 18.41 | 13.67 | 17.42 | 13.12 | 9.97 | 10.23 | 12.98 | 17.81 |
| 6 | 11.57 | 11.51 | 12.13 | 12.06 | 17.78 | 13.26 | 16.57 | 13.11 | 10.97 | 9.98 | 13.04 | 17.07 |
| 7 | 11.69 | 11.49 | 12.03 | 13.13 | 17.00 | 12.94 | 15.67 | 13.09 | 11.60 | 10.04 | 13.10 | 15.89 |
| 8 | 11.73 | 11.49 | 12.01 | 13.44 | 16.50 | 13.51 | 14.85 | 13.08 | 11.99 | 10.51 | 13.09 | 14.75 |
| 9 | 11.74 | 11.55 | 12.08 | 12.97 | 15.54 | 15.81 | 14.41 | 13.08 | 12.21 | 10.88 | 13.10 | 13.84 |
| 10 | 11.73 | 11.59 | 12.03 | 12.77 | 14.42 | 16.23 | 14.11 | 13.08 | 12.29 | 11.18 | 13.61 | 13.44 |
| 11 | 11.70 | 11.57 | 11.89 | 12.62 | 13.83 | 15.61 | 13.81 | 13.03 | 12.35 | 11.50 | 13.63 | 13.26 |
| 12 | 11.67 | 11.57 | 11.71 | 12.53 | 13.38 | 15.00 | 13.65 | 12.91 | 12.41 | 12.82 | 13.16 | 13.13 |
| 13 | 11.63 | 11.61 | 11.55 | 12.48 | 12.84 | 14.64 | 13.38 | 12.90 | 12.34 | 13.29 | 12.94 | 13.16 |
| 14 | 11.60 | 11.64 | 11.42 | 12.34 | 12.67 | 14.40 | 13.38 | 12.90 | 11.80 | 13.30 | 12.95 | 13.17 |
| 15 | 11.57 | 11.63 | 11.40 | 12.63 | 13.69 | 14.22 | 13.34 | 12.93 | 11.13 | 13.26 | 13.03 | 13.19 |
| 16 | 11.52 | 11.72 | 11.67 | 12.69 | 13.85 | 14.09 | 13.23 | 12.96 | 10.50 | 13.19 | 13.13 | 13.02 |
| 17 | 11.56 | 11.46 | 11.71 | 12.51 | 13.22 | 13.91 | 13.16 | 12.95 | 9.97 | 13.10 | 13.22 | 12.69 |
| 18 | 11.59 | 11.79 | 11.55 | 12.29 | 15.30 | 14.50 | 13.18 | 12.94 | 9.86 | 13.96 | 13.31 | 12.67 |
| 19 | 11.51 | 12.05 | 11.62 | 12.09 | 18.10 | 14.34 | 13.23 | 12.94 | 10.63 | 14.22 | 13.26 | 12.71 |
| 20 | 11.54 | 12.14 | 12.02 | 12.31 | 17.80 | 13.84 | 13.10 | 12.91 | 11.09 | 13.23 | 13.18 | 12.80 |
| 21 | 11.67 | 12.21 | 13.96 | 12.60 | 16.94 | 13.45 | 13.03 | 12.94 | 11.45 | 13.39 | 13.31 | 12.92 |
| 22 | 11.68 | 12.29 | 14.52 | 12.46 | 15.93 | 13.63 | 12.99 | 12.98 | 11.78 | 13.44 | 14.00 | 12.99 |
| 23 | 11.65 | 12.36 | 13.45 | 12.28 | 14.89 | 13.59 | 12.92 | 13.01 | 12.03 | 13.20 | 13.43 | 13.02 |
| 24 | 11.60 | 12.43 | 12.65 | 12.10 | 14.06 | 13.37 | 12.77 | 13.02 | 12.18 | 13.07 | 13.52 | 13.04 |
| 25 | 11.56 | 12.51 | 12.24 | 11.92 | 13.31 | 13.22 | 12.67 | 13.03 | 12.24 | 13.06 | 14.29 | 13.06 |
| 26 | 11.67 | 12.43 | 11.94 | 11.85 | 12.83 | 13.31 | 12.72 | 12.94 | 11.76 | 13.15 | 13.87 | 13.05 |
| 27 | 11.71 | 12.41 | 11.74 | 11.80 | 12.81 | 13.35 | 12.78 | 12.64 | 11.29 | 13.42 | 13.42 | 13.12 |
| 28 | 11.76 | 12.53 | 11.74 | 11.85 | 12.71 | 13.32 | 12.81 | 12.06 | 11.12 | 13.91 | 12.96 | 13.16 |
| 29 | 11.78 | 12.58 | 11.81 | 12.06 | 12.52 | 13.30 | 13.00 | 11.46 | 11.16 | 13.14 | 12.50 | 13.11 |
| 30 | 11.74 | 12.63 | 11.78 | 12.33 | --- | 14.12 | 13.24 | 10.94 | 11.29 | 12.84 | 12.99 | 13.15 |
| 31 | 11.71 | --- | 11.77 | 12.53 | --- | 15.04 | --- | 10.49 | --- | 12.74 | 13.22 | --- |
| MAX | 12.49 | 12.63 | 14.52 | 13.44 | 19.39 | 16.23 | 18.62 | 13.12 | 12.41 | 14.22 | 14.29 | 17.81 |
| MIN | 11.39 | 11.46 | 11.40 | 11.80 | 12.52 | 12.69 | 12.67 | 10.49 | 9.48 | 9.98 | 12.50 | 12.67 |

## 07386700 RUTH CANAL NEAR RUTH, LA

LOCATION.--Lat 30°14'35", long 91°53'05", in NE 1/4 NW 1/4 lot 95, T.9 S., R.6 E., St. Martin Parish, Hydrologic Unit 08080103, near center of span on downstream side of bridge on State Highway 31, 1,200 ft above control structure, 1,500 ft downstream from point of diversion from Bayou Teche, 0.4 mi northwest of Ruth, and 2.2 mi south of town of Breaux Bridge.

PERIOD OF RECORD.--August 1959 to current year. Elevations only May 1945 to June 1946 (fragmentary), January 1947 to September 1960 in reports of Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Auxiliary water-stage recorder 150 ft below control structure at same datum. Since July 12, 1973, water-stage recorder for Ruth Canal at Ruth (station 07386705) used as auxiliary gage for this station. Nov. 4, 1965 to July 11, 1973, auxiliary nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharges. Records good. Total flow through control structure diverted from Bayou Teche for irrigation. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 802 $ft^3/s$ Apr. 21, 1966; maximum daily reverse flow, 13 $ft^3/s$ May 28, 1980 (backwater from Vermilion River); minimum daily (unaffected by backwater), 0.03 $ft^3/s$ June 1, 1982.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 280 | 266 | 176 | 172 | 158 | 129 | 210 | 335 | 314 | 331 | 348 | 356 |
| 2 | 275 | 267 | 176 | 171 | 150 | 141 | 332 | 340 | 313 | 332 | 350 | 355 |
| 3 | 272 | 265 | 174 | 171 | 163 | 136 | 286 | 343 | 307 | 332 | 354 | 344 |
| 4 | 271 | 263 | 174 | 175 | 162 | 130 | 248 | 345 | 236 | 328 | 359 | 320 |
| 5 | 269 | 231 | 175 | 179 | 159 | 132 | 221 | 349 | 122 | 323 | 362 | 325 |
| 6 | 270 | 166 | 170 | 178 | 153 | 140 | 201 | 348 | 132 | 313 | 363 | 314 |
| 7 | 273 | 165 | 156 | 165 | 145 | 148 | 184 | 346 | 135 | 304 | 364 | 294 |
| 8 | 273 | 162 | 155 | 149 | 139 | 151 | 175 | 344 | 137 | 305 | 365 | 272 |
| 9 | 270 | 160 | 164 | 156 | 133 | 141 | 176 | 341 | 251 | 314 | 365 | 262 |
| 10 | 270 | 165 | 169 | 167 | 130 | 141 | 189 | 342 | 375 | 319 | 350 | 270 |
| 11 | 270 | 170 | 171 | 174 | 130 | 140 | 203 | 342 | 372 | 320 | 293 | 289 |
| 12 | 272 | 169 | 170 | 175 | 135 | 140 | 222 | 342 | 369 | 344 | 297 | 306 |
| 13 | 272 | 168 | 169 | 175 | 143 | 142 | 244 | 345 | 366 | 358 | 309 | 318 |
| 14 | 269 | 168 | 165 | 177 | 153 | 149 | 267 | 346 | 358 | 360 | 320 | 330 |
| 15 | 267 | 166 | 165 | 179 | 150 | 158 | 286 | 347 | 352 | 362 | 332 | 336 |
| 16 | 267 | 159 | 174 | 180 | 152 | 166 | 302 | 347 | 353 | 364 | 343 | 337 |
| 17 | 267 | 151 | 177 | 175 | 157 | 169 | 315 | 347 | 336 | 364 | 351 | 329 |
| 18 | 268 | 157 | 173 | 177 | 153 | 153 | 317 | 348 | 308 | 342 | 345 | 331 |
| 19 | 267 | 164 | 173 | 173 | 141 | 150 | 319 | 348 | 307 | 322 | 348 | 337 |
| 20 | 265 | 169 | 172 | 173 | 120 | 157 | 327 | 348 | 317 | 325 | 352 | 342 |
| 21 | 267 | 172 | 169 | 182 | 105 | 165 | 330 | 335 | 326 | 339 | 361 | 347 |
| 22 | 268 | 169 | 150 | 184 | 93 | 173 | 335 | 317 | 330 | 350 | 359 | 351 |
| 23 | 265 | 168 | 150 | 182 | 85 | 178 | 339 | 322 | 333 | 352 | 345 | 354 |
| 24 | 263 | 169 | 155 | 180 | 78 | 178 | 337 | 335 | 336 | 357 | 346 | 355 |
| 25 | 263 | 168 | 160 | 181 | 78 | 177 | 336 | 341 | 344 | 361 | 347 | 353 |
| 26 | 263 | 170 | 165 | 184 | 84 | 181 | 337 | 346 | 339 | 367 | 348 | 356 |
| 27 | 260 | 170 | 168 | 182 | 94 | 184 | 340 | 345 | 331 | 365 | 353 | 356 |
| 28 | 265 | 170 | 174 | 181 | 108 | 184 | 347 | 337 | 330 | 322 | 356 | 357 |
| 29 | 267 | 175 | 179 | 181 | 118 | 183 | 345 | 329 | 330 | 315 | 348 | 357 |
| 30 | 266 | 175 | 178 | 179 | --- | 163 | 334 | 322 | 331 | 327 | 351 | 349 |
| 31 | 266 | --- | 171 | 179 | --- | 148 | --- | 317 | --- | 341 | 357 | --- |
| TOTAL | 8320 | 5457 | 5217 | 5436 | 3769 | 4827 | 8404 | 10539 | 9090 | 10458 | 10741 | 9902 |
| MEAN | 268 | 182 | 168 | 175 | 130 | 156 | 280 | 340 | 303 | 337 | 346 | 330 |
| MAX | 280 | 267 | 179 | 184 | 163 | 184 | 347 | 349 | 375 | 367 | 365 | 357 |
| MIN | 260 | 151 | 150 | 149 | 78 | 129 | 175 | 317 | 122 | 304 | 293 | 262 |
| AC-FT | 16500 | 10820 | 10350 | 10780 | 7480 | 9570 | 16670 | 20900 | 18030 | 20740 | 21300 | 19640 |

CAL YR 1987 TOTAL 94656 MEAN 259 MAX 378 MIN 94 AC-FT 187800
WTR YR 1988 TOTAL 92160 MEAN 252 MAX 375 MIN 78 AC-FT 182800

## 07386700 RUTH CANAL NEAR RUTH, LA--CONTINUED--

### ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 9.40 | 8.93 | 9.87 | 9.76 | 10.43 | 10.17 | 11.20 | 9.24 | 7.89 | 8.35 | 9.13 | 9.35 |
| 2 | 9.28 | 8.92 | 9.85 | 9.92 | 12.22 | 10.35 | 12.93 | 9.15 | 7.78 | 8.35 | 9.09 | 9.39 |
| 3 | 9.09 | 8.89 | 9.83 | 9.95 | 12.82 | 11.15 | 12.53 | 9.14 | 7.54 | 8.33 | 9.10 | 9.67 |
| 4 | 8.97 | 8.86 | 9.78 | 9.93 | 12.85 | 10.86 | 12.29 | 9.09 | 7.69 | 8.21 | 9.15 | 11.15 |
| 5 | 8.99 | 8.96 | 9.74 | 9.82 | 12.85 | 10.65 | 12.03 | 9.04 | 8.64 | 8.07 | 9.18 | 11.56 |
| 6 | 9.02 | 9.33 | 9.72 | 9.78 | 12.77 | 10.48 | 11.69 | 9.03 | 9.16 | 7.81 | 9.23 | 11.32 |
| 7 | 9.07 | 9.37 | 9.78 | 10.41 | 12.36 | 10.33 | 11.35 | 9.04 | 9.44 | 7.58 | 9.23 | 10.94 |
| 8 | 9.08 | 9.38 | 9.73 | 10.48 | 11.96 | 10.58 | 11.03 | 9.07 | 9.62 | 7.64 | 9.17 | 10.49 |
| 9 | 9.10 | 9.43 | 9.70 | 10.30 | 11.54 | 11.35 | 10.76 | 9.08 | 9.45 | 8.01 | 9.16 | 10.10 |
| 10 | 9.08 | 9.39 | 9.68 | 10.19 | 11.13 | 11.59 | 10.56 | 9.02 | 8.59 | 8.50 | 10.42 | 9.86 |
| 11 | 9.06 | 9.35 | 9.63 | 10.06 | 10.79 | 11.51 | 10.37 | 8.97 | 8.53 | 8.64 | 10.37 | 9.69 |
| 12 | 9.02 | 9.37 | 9.54 | 9.99 | 10.59 | 11.32 | 10.20 | 8.95 | 8.54 | 8.94 | 9.84 | 9.54 |
| 13 | 8.99 | 9.42 | 9.49 | 9.99 | 10.38 | 11.12 | 10.02 | 8.94 | 8.54 | 9.24 | 9.55 | 9.44 |
| 14 | 8.99 | 9.44 | 9.50 | 9.90 | 10.27 | 10.97 | 9.88 | 8.95 | 8.42 | 9.28 | 9.42 | 9.38 |
| 15 | 8.99 | 9.47 | 9.43 | 9.99 | 10.59 | 10.86 | 9.78 | 8.93 | 8.17 | 9.26 | 9.37 | 9.35 |
| 16 | 8.98 | 9.71 | 9.44 | 10.09 | 10.68 | 10.78 | 9.63 | 8.92 | 7.95 | 9.22 | 9.35 | 9.36 |
| 17 | 8.96 | 9.65 | 9.54 | 10.05 | 10.54 | 10.70 | 9.54 | 8.92 | 7.75 | 9.25 | 9.45 | 9.20 |
| 18 | 8.95 | 9.50 | 9.51 | 9.96 | 12.48 | 11.03 | 9.58 | 8.91 | 7.46 | 9.99 | 9.50 | 9.11 |
| 19 | 8.92 | 9.56 | 9.57 | 9.92 | 13.27 | 10.93 | 9.50 | 8.93 | 7.48 | 10.20 | 9.51 | 9.07 |
| 20 | 8.90 | 9.59 | 9.68 | 9.90 | 12.51 | 10.74 | 9.36 | 8.94 | 7.97 | 9.79 | 9.40 | 9.04 |
| 21 | 8.90 | 9.64 | 10.40 | 9.99 | 12.12 | 10.54 | 9.25 | 9.10 | 8.31 | 9.62 | 9.47 | 9.05 |
| 22 | 8.93 | 9.70 | 10.81 | 9.98 | 11.70 | 10.51 | 9.21 | 9.25 | 8.49 | 9.60 | 9.80 | 9.08 |
| 23 | 8.96 | 9.75 | 10.47 | 9.91 | 11.28 | 10.53 | 9.14 | 9.20 | 8.60 | 9.43 | 9.61 | 9.09 |
| 24 | 8.95 | 9.77 | 10.20 | 9.83 | 10.88 | 10.47 | 9.01 | 9.08 | 8.70 | 9.29 | 9.47 | 9.11 |
| 25 | 8.91 | 9.81 | 10.0 | 9.75 | 10.59 | 10.40 | 8.89 | 8.96 | 9.07 | 9.24 | 9.76 | 9.12 |
| 26 | 9.02 | 9.78 | 9.82 | 9.70 | 10.39 | 10.37 | 8.85 | 8.90 | 8.85 | 9.35 | 9.75 | 9.09 |
| 27 | 9.01 | 9.74 | 9.68 | 9.68 | 10.32 | 10.40 | 8.84 | 8.85 | 8.46 | 9.39 | 9.51 | 9.08 |
| 28 | 8.95 | 9.83 | 9.62 | 9.68 | 10.27 | 10.41 | 8.91 | 8.67 | 8.31 | 9.89 | 9.28 | 9.11 |
| 29 | 8.99 | 9.85 | 9.62 | 9.76 | 10.18 | 10.49 | 9.05 | 8.43 | 8.27 | 9.66 | 9.05 | 9.12 |
| 30 | 9.00 | 9.88 | 9.65 | 9.88 | --- | 11.38 | 9.39 | 8.23 | 8.32 | 9.40 | 9.11 | 9.22 |
| 31 | 8.96 | --- | 9.68 | 9.97 | --- | 11.31 | --- | 8.06 | --- | 9.23 | 9.25 | --- |
| MAX | 9.40 | 9.88 | 10.81 | 10.48 | 13.27 | 11.59 | 12.93 | 9.25 | 9.62 | 10.20 | 10.42 | 11.56 |
| MIN | 8.90 | 8.86 | 9.43 | 9.68 | 10.18 | 10.17 | 8.84 | 8.06 | 7.46 | 7.58 | 9.05 | 9.04 |

## 07386880 VERMILION RIVER AT SURREY STREET, AT LAFAYETTE, LA

LOCATION.--Lat 30°13'02", long 91°59'34", on line between lots 76 and 142, T.9 S., R.5 E., Lafayette Parish, Hydrologic Unit 08080103, at bridge on Surrey Street at Lafayette, 0.6 mi north of Lafayette Airport, and 1.4 mi upstream from Coulee des Poches.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--December 1967 to current year.

GAGE.--Water-stage recorders and electromagnetic flowmeter. Datum of gage is 2.07 ft below mean low Gulf level or 2.85 ft below National Geodetic Vertical Datum of 1929. Prior to 1982, datum of gage was 1.53 ft below mean low Gulf or 2.31 ft below National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 1, 1985, water-stage recorder for Vermilion River at State Highway 3073, near Lafayette (station 07386935) used as auxiliary gage for this station.

REMARKS.--Estimated daily discharges. Records fair. Discharges are affected by tide at all stages; diversions above and below station for irrigation. No gage-height and velocity record for the periods Oct. 15-19, and Jan. 6, 7.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,660 ft³/s, Feb. 23, 1988; maximum gage height 15.02 ft May 17, 1980; minimum daily discharge recorded, -5,230 ft³/s May 17, 1980; minimum gage height 0.79 ft Nov. 20, 1969.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,660 ft³/s Feb. 23; maximum gage height, 13.16 ft Feb. 18; minimum discharge, -4,710 ft³/s Apr. 2; minimum gage height, 2.26 ft Jan. 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 361 | 391 | 397 | 649 | 90 | 2500 | 1320 | 846 | 443 | 429 | 928 | 935 |
| 2 | 375 | 339 | 458 | 778 | 1500 | 1560 | -816 | 746 | 438 | 443 | 816 | 725 |
| 3 | 401 | 332 | 315 | 613 | 2680 | 945 | 2940 | 675 | 387 | 426 | 787 | 872 |
| 4 | 305 | 312 | 246 | 489 | 2640 | 2020 | 3710 | 732 | 376 | 428 | 754 | 178 |
| 5 | 351 | 339 | 186 | 373 | 2620 | 2110 | 4040 | 652 | 342 | 402 | 750 | 1940 |
| 6 | 381 | 261 | 134 | e270 | 2080 | 1910 | 3660 | 529 | 298 | 406 | 810 | 2600 |
| 7 | 398 | 172 | 201 | e1200 | 1760 | 1570 | 3690 | 562 | 241 | 375 | 838 | 2490 |
| 8 | 362 | 205 | 958 | 1370 | 1560 | 997 | 3540 | 420 | 279 | 366 | 767 | 2350 |
| 9 | 311 | 229 | 632 | 1050 | 1550 | 853 | 3330 | 507 | 317 | 376 | 732 | 2140 |
| 10 | 394 | 374 | 530 | 870 | 1790 | 2060 | 3210 | 623 | 563 | 471 | -11 | 1960 |
| 11 | 363 | 234 | 408 | 524 | 1650 | 2120 | 2970 | 636 | 601 | 643 | 953 | 1930 |
| 12 | 390 | 139 | 328 | 394 | 1540 | 2260 | 2850 | 626 | 605 | 582 | 1590 | 1600 |
| 13 | 335 | 227 | 247 | 334 | 1380 | 2240 | 2640 | 588 | 546 | 644 | 1610 | 1390 |
| 14 | 301 | 233 | 228 | 356 | 1160 | 2100 | 2430 | 603 | 549 | 668 | 1410 | 1260 |
| 15 | e200 | 193 | 461 | 230 | 1050 | 1870 | 2220 | 608 | 540 | 665 | 1010 | 1120 |
| 16 | e350 | 117 | 314 | 221 | 1450 | 1720 | 2010 | 605 | 474 | 734 | 1010 | 894 |
| 17 | e450 | 739 | 245 | 165 | 1190 | 1410 | 1760 | 607 | 396 | 705 | 945 | 744 |
| 18 | e350 | 722 | 183 | 225 | -237 | 1200 | 1480 | 599 | 366 | 995 | 972 | 752 |
| 19 | e150 | 475 | 139 | 45 | 865 | 1960 | 1290 | 607 | 359 | 1220 | 920 | 707 |
| 20 | 364 | 424 | 304 | 177 | 2450 | 1990 | 1110 | 621 | 500 | 1330 | 948 | 690 |
| 21 | 425 | 384 | 953 | 200 | 3160 | 1700 | 859 | 558 | 530 | 1180 | 902 | 653 |
| 22 | 291 | 289 | 1570 | 130 | 3700 | 1380 | 794 | 1140 | 478 | 1120 | 1020 | 693 |
| 23 | 364 | 379 | 1720 | 144 | 3860 | 1030 | 738 | 1270 | 584 | 1200 | 988 | 751 |
| 24 | 344 | 586 | 1390 | 102 | 3660 | 889 | 719 | 1070 | 429 | 1060 | 921 | 753 |
| 25 | 412 | 600 | 1140 | 170 | 3650 | 780 | 553 | 894 | 560 | 825 | 1080 | 781 |
| 26 | 427 | 640 | 962 | 76 | 3650 | 764 | 529 | 758 | 685 | 772 | 1120 | 800 |
| 27 | 650 | 558 | 759 | 67 | 3310 | 656 | 538 | 656 | 524 | 872 | 942 | 748 |
| 28 | 486 | 599 | 605 | 69 | 3240 | 515 | 529 | 574 | 425 | 1820 | 805 | 781 |
| 29 | 399 | 490 | 439 | 94 | 2960 | 442 | 401 | 509 | 364 | 1570 | 839 | 807 |
| 30 | 389 | 336 | 421 | 86 | --- | 583 | 593 | 470 | 371 | 1390 | 976 | 869 |
| 31 | 403 | --- | 535 | 175 | --- | 795 | --- | 461 | --- | 1190 | 952 | --- |
| TOTAL | 11482 | 11318 | 17408 | 11646 | 61958 | 44929 | 55637 | 20752 | 13570 | 25307 | 29084 | 34913 |
| MEAN | 370 | 377 | 562 | 376 | 2136 | 1449 | 1855 | 669 | 452 | 816 | 938 | 1164 |
| MAX | 650 | 739 | 1720 | 1370 | 3860 | 2500 | 4040 | 1270 | 685 | 1820 | 1610 | 2600 |
| MIN | 150 | 117 | 134 | 45 | -237 | 442 | -816 | 420 | 241 | 366 | -11 | 178 |

| | | | | |
|---|---|---|---|---|
| CAL YR 1987 | TOTAL 305180 | MEAN 836 | MAX 2600 | MIN -537 |
| WTR YR 1988 | TOTAL 338004 | MEAN 924 | MAX 4040 | MIN -816 |

e Estimated.

## 07386880 VERMILION RIVER AT SURREY STREET, AT LAFAYETTE, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.17 | 4.32 | 3.82 | 4.53 | 7.00 | 8.23 | 9.43 | 6.17 | 4.81 | 4.49 | 5.58 | 5.73 |
| 2 | 4.43 | 4.23 | 3.80 | 4.53 | 9.27 | 7.82 | 12.35 | 5.88 | 4.50 | 4.43 | 5.48 | 5.94 |
| 3 | 4.11 | 4.31 | 4.13 | 4.69 | 8.50 | 9.14 | 11.99 | 5.76 | 4.43 | 4.34 | 5.22 | 6.89 |
| 4 | 3.76 | 4.34 | 3.98 | 4.22 | 8.61 | 8.95 | 11.74 | 5.39 | 4.56 | 4.30 | 5.07 | 9.86 |
| 5 | 4.22 | 4.40 | 3.93 | 3.61 | 8.95 | 8.54 | 11.62 | 4.91 | 4.42 | 4.37 | 4.93 | 9.34 |
| 6 | 4.26 | 3.77 | 4.78 | --- | 9.39 | 7.98 | 11.48 | 4.87 | 3.93 | 4.49 | 5.03 | 9.13 |
| 7 | 3.94 | 4.33 | 6.34 | --- | 9.30 | 7.29 | 11.27 | 4.97 | 3.98 | 4.68 | 4.84 | 9.07 |
| 8 | 3.99 | 4.78 | 5.82 | 7.04 | 9.27 | 7.54 | 11.05 | 5.32 | 3.93 | 4.75 | 4.49 | 9.00 |
| 9 | 4.53 | 5.08 | 5.13 | 6.38 | 9.17 | 8.99 | 10.78 | 5.53 | 3.98 | 5.02 | 4.42 | 8.84 |
| 10 | 4.52 | 4.07 | 4.54 | 5.53 | 8.98 | 8.90 | 10.43 | 5.15 | 4.39 | 5.78 | 8.15 | 8.49 |
| 11 | 4.34 | 2.76 | 4.18 | 4.76 | 8.71 | 8.84 | 10.01 | 4.87 | 4.47 | 5.76 | 9.12 | 8.03 |
| 12 | 3.82 | 3.38 | 4.06 | 4.66 | 8.22 | 8.77 | 9.53 | 4.82 | 4.78 | 5.36 | 8.23 | 7.53 |
| 13 | 3.49 | 3.81 | 4.27 | 4.53 | 7.57 | 8.42 | 9.06 | 4.70 | 5.07 | 5.42 | 7.53 | 7.12 |
| 14 | 4.09 | 4.01 | 4.98 | 3.98 | 6.91 | 7.85 | 8.60 | 4.63 | 5.30 | 5.28 | 7.06 | 6.64 |
| 15 | --- | 4.61 | 4.52 | 4.23 | 7.31 | 7.09 | 8.12 | 4.52 | 4.99 | 5.06 | 6.61 | 6.43 |
| 16 | --- | 5.95 | 2.81 | 4.33 | 7.18 | 6.51 | 7.64 | 4.50 | 4.64 | 4.90 | 6.15 | 6.55 |
| 17 | --- | 6.07 | 3.07 | 4.91 | 6.86 | 6.20 | 7.25 | 4.43 | 4.25 | 4.98 | 6.02 | 6.61 |
| 18 | --- | 5.16 | 3.86 | 4.52 | 10.60 | 7.84 | 7.38 | 4.42 | 4.01 | 7.28 | 6.32 | 6.34 |
| 19 | --- | 4.72 | 4.23 | 5.00 | 12.55 | 7.57 | 7.01 | 4.57 | 4.11 | 7.92 | 6.21 | 5.94 |
| 20 | 4.30 | 3.91 | 4.40 | 4.78 | 11.89 | 7.01 | 6.53 | 4.66 | 4.53 | 7.37 | 5.88 | 5.62 |
| 21 | 3.86 | 3.77 | 5.57 | 3.71 | 11.65 | 6.26 | 6.31 | 6.05 | 4.73 | 6.66 | 5.58 | 5.39 |
| 22 | 3.98 | 4.55 | 7.26 | 3.47 | 11.48 | 5.55 | 6.08 | 6.68 | 4.95 | 6.31 | 6.16 | 5.21 |
| 23 | 4.61 | 4.89 | 6.87 | 3.64 | 11.29 | 5.19 | 5.79 | 6.29 | 4.96 | 5.94 | 6.45 | 5.12 |
| 24 | 4.75 | 4.80 | 6.49 | 3.93 | 11.05 | 5.26 | 5.50 | 5.64 | 5.19 | 5.46 | 6.22 | 5.08 |
| 25 | 4.63 | 5.02 | 5.95 | 3.27 | 10.74 | 5.15 | 5.23 | 5.00 | 5.75 | 5.16 | 6.45 | 5.24 |
| 26 | 4.94 | 4.58 | 5.32 | 2.47 | 10.36 | 4.67 | 4.96 | 4.69 | 5.26 | 5.09 | 6.44 | 4.87 |
| 27 | 5.04 | 4.42 | 4.76 | 3.09 | 9.91 | 4.34 | 4.69 | 4.84 | 4.76 | 5.25 | 6.06 | 4.83 |
| 28 | 4.36 | 4.24 | 3.71 | 3.29 | 9.41 | 4.57 | 4.60 | 4.96 | 4.40 | 7.14 | 5.68 | 4.97 |
| 29 | 4.34 | 3.94 | 2.66 | 3.72 | 8.86 | 5.04 | 5.44 | 5.02 | 4.33 | 7.12 | 5.48 | 5.06 |
| 30 | 4.48 | 4.00 | 3.30 | 4.13 | --- | 8.01 | 6.67 | 5.05 | 4.46 | 6.66 | 5.34 | 5.83 |
| 31 | 4.38 | --- | 4.62 | 4.34 | --- | 8.67 | --- | 5.03 | --- | 6.04 | 5.46 | --- |
| MAX | 5.04 | 6.07 | 7.26 | 7.04 | 12.55 | 9.14 | 12.35 | 6.68 | 5.75 | 7.92 | 9.12 | 9.86 |
| MIN | 3.49 | 2.76 | 2.66 | 2.47 | 6.86 | 4.34 | 4.60 | 4.42 | 3.93 | 4.30 | 4.42 | 4.83 |

## 07386980 VERMILION RIVER AT PERRY, LA

LOCATION.--Lat 29°57'04", long 92°09'22", on line between lots 60 and 61, T.12 S., R.3 E., Vermilion Parish, Hydrologic Unit 08080103, at bridge on State Highway 82 at Perry, 2.0 mi south of Abbeville.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1978 to September 1984 (gage heights only) October 1984 to current year. Unpublished gage-height records, August 1960 to September 1978, available in files of Baton Rouge district office.

REVISED RECORDS.--WDR LA 80-3: 1979.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is 3.34 ft below National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Highways). Prior to 1982 datum of gage 2.95 ft below National Geodetic Vertical of 1929.

REMARKS.--Estimted daily discharges: Jan. 29 to Feb. 3, and Aug. 5 to Sept. 30. Records fair. No velocity record Jan. 29 to Feb. 3; no gage-height record Aug. 5 to Sept. 30. Discharge affected by tide at all stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,800 ft³/s Oct. 28, 1985; maximum gage height recorded, 12.06 ft May 31, 1979; minimum discharge recorded, -2,800 ft³/s Aug. 15, 1985; minimum gage height recorded, 0.66 ft Dec. 25, 1983.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 14,400 ft³/s Feb. 18, gage height, 10.54 ft; minimum discharge recorded, -2,130 ft³/s Jan. 16; minimum gage height recorded, 1.62 ft Dec. 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 251 | 464 | 775 | 1360 | 2100 | 2090 | 4170 | 1280 | 653 | 536 | 1210 | e1300 |
| 2 | 493 | 322 | 314 | 1050 | 3690 | 1650 | 9140 | 786 | 551 | 574 | 1240 | e1100 |
| 3 | 663 | 470 | 757 | 666 | 2790 | 4700 | 7420 | 869 | 475 | 668 | 1170 | e900 |
| 4 | 19 | 445 | 837 | 1110 | 3060 | 3240 | 4930 | 1180 | 550 | [illegible] | 1240 | e780 |
| 5 | 327 | 746 | 260 | 404 | 3350 | 1830 | 3700 | 615 | 799 | 709 | e890 | e700 |
| 6 | 575 | 525 | -65 | 208 | 4410 | 2050 | 3890 | 685 | 377 | 528 | e1300 | e2000 |
| 7 | 586 | -1.4 | 2070 | 2060 | 2670 | 1560 | 3470 | 565 | 283 | 567 | e1900 | e4100 |
| 8 | 346 | 217 | 1460 | 2600 | 2550 | 2370 | 3220 | 221 | 518 | 408 | e2800 | e7000 |
| 9 | 406 | 754 | 973 | 1350 | 2470 | 4620 | 3200 | 1060 | 418 | 348 | e4000 | e5000 |
| 10 | 593 | 1250 | 722 | 1200 | 2180 | 2860 | 3050 | 1030 | 775 | 1520 | e1800 | e3500 |
| 11 | 506 | 353 | 482 | 317 | 2740 | 1900 | 3320 | 874 | 458 | 1710 | e700 | e2500 |
| 12 | 782 | 59 | 365 | 637 | 2080 | 2300 | 2840 | 1030 | 482 | 687 | e1300 | e1800 |
| 13 | 245 | 500 | -290 | 1240 | 1700 | 2300 | 2180 | 544 | 218 | 945 | e2000 | e1400 |
| 14 | 207 | 70 | -224 | 53 | 1390 | 2140 | 2200 | 768 | 831 | 1020 | e3200 | e1200 |
| 15 | 370 | -564 | 1620 | 395 | 2650 | 1370 | 1900 | 664 | 831 | 900 | e5000 | e900 |
| 16 | 474 | -35 | 215 | 135 | 1480 | 1160 | 1590 | 703 | 727 | 919 | e3500 | e760 |
| 17 | 622 | 2110 | -170 | 408 | 1470 | 832 | 1020 | 724 | 630 | 874 | e2500 | e700 |
| 18 | 433 | 651 | 17 | 506 | 8100 | 3560 | 1760 | 531 | 483 | 3640 | e1600 | e900 |
| 19 | 248 | 1080 | -14 | -50 | 9730 | 2290 | 1970 | 601 | 486 | 3910 | e1000 | e1200 |
| 20 | 476 | 700 | 640 | 1250 | 2880 | 1450 | 978 | 445 | 486 | 2570 | e1150 | e880 |
| 21 | 834 | 266 | 1400 | 881 | 2920 | 1460 | 1000 | 1710 | 571 | 1840 | e1000 | e800 |
| 22 | -263 | 66 | 2180 | 164 | 1930 | 1010 | 1030 | 1780 | 631 | 1690 | e900 | e740 |
| 23 | 482 | 538 | 1470 | 351 | 2530 | 441 | 825 | 1580 | 906 | 1570 | e1300 | e720 |
| 24 | 376 | 415 | 1160 | 358 | 2890 | 602 | 1010 | 1160 | 56 | 1190 | e1100 | e820 |
| 25 | 767 | 713 | 1060 | 976 | 2150 | 939 | 697 | 1020 | 1120 | 960 | e1400 | e900 |
| 26 | 695 | 896 | 823 | -180 | 2620 | 725 | 849 | 520 | 1190 | 995 | e1700 | e800 |
| 27 | 1240 | 1130 | 1030 | 185 | 2960 | 426 | 805 | 545 | 859 | 812 | e1500 | e720 |
| 28 | 597 | 1610 | 941 | 48 | 2700 | 245 | 351 | 512 | 669 | 1540 | e1000 | e780 |
| 29 | 404 | 292 | 284 | 121 | 2460 | 480 | 114 | 415 | 441 | 1760 | e1200 | e900 |
| 30 | 523 | 939 | -335 | -25 | --- | 5120 | 1690 | 297 | 472 | 1580 | e1100 | e1000 |
| 31 | 482 | --- | 729 | 322 | --- | 4570 | --- | 640 | --- | 1370 | e1000 | --- |
| TOTAL | 14759 | 16980.6 | 21486 | 20100 | 86650 | 62290 | 74319 | 25354 | 17946 | 38980 | 52700 | 46800 |
| MEAN | 476 | 566 | 693 | 648 | 2988 | 2009 | 2477 | 818 | 598 | 1257 | 1700 | 1560 |
| MAX | 1240 | 2110 | 2180 | 2600 | 9730 | 5120 | 9140 | 1780 | 1190 | 3910 | 5000 | 7000 |
| MIN | -263 | -564 | -335 | -180 | 1390 | 245 | 114 | 221 | 56 | 348 | 700 | 700 |
| AC-FT | 29270 | 33680 | 42620 | 39870 | 171900 | 123600 | 147400 | 50290 | 35600 | 77320 | 104500 | 92830 |

CAL YR 1987 TOTAL 545492.6 MEAN 1494 MAX 7500 MIN -564 AC-FT 1082000
WTR YR 1988 TOTAL 478364.6 MEAN 1307 MAX 9730 MIN -564 AC-FT 948800

e Estimated.

## 07386980 VERMILION RIVER AT PERRY. LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.90 | 4.39 | 3.75 | 3.91 | 5.74 | 4.45 | 6.45 | 5.04 | 4.82 | 4.29 | 4.54 | --- |
| 2 | 4.32 | 4.36 | 3.95 | 3.14 | 6.15 | 5.26 | 8.76 | 5.18 | 4.40 | 4.22 | 4.60 | --- |
| 3 | 3.66 | 4.38 | 4.14 | 4.21 | 4.94 | 6.99 | 8.28 | 5.17 | 4.34 | 4.14 | 4.42 | --- |
| 4 | 3.86 | 4.47 | 3.85 | 3.50 | 4.71 | 5.17 | 6.93 | 4.29 | 4.47 | 4.20 | 4.52 | --- |
| 5 | 4.36 | 4.36 | 4.21 | 3.62 | 4.18 | 4.69 | 6.01 | 3.89 | 4.45 | 4.36 | --- | --- |
| 6 | 4.16 | 3.79 | 5.11 | 4.32 | 4.66 | 4.71 | 5.18 | 4.17 | 4.15 | 4.66 | --- | --- |
| 7 | 3.02 | 4.80 | 5.73 | 5.51 | 4.43 | 4.64 | 4.65 | 4.36 | 4.30 | 4.97 | --- | --- |
| 8 | 4.06 | 5.23 | 4.67 | 3.85 | 4.56 | 5.44 | 4.87 | 5.23 | 4.12 | 5.00 | --- | --- |
| 9 | 4.67 | 5.25 | 4.56 | 4.26 | 4.54 | 5.94 | 5.02 | 5.13 | 4.13 | 5.25 | --- | --- |
| 10 | 4.40 | 3.32 | 4.32 | 3.65 | 4.75 | 4.78 | 4.69 | 4.35 | 3.99 | 5.21 | --- | --- |
| 11 | 4.23 | 2.27 | 4.26 | 3.96 | 4.67 | 5.21 | 3.70 | 4.10 | 4.16 | 4.99 | --- | --- |
| 12 | 3.21 | 3.79 | 4.25 | 4.45 | 3.37 | 5.31 | 2.74 | 3.97 | 4.57 | 4.99 | --- | --- |
| 13 | 3.46 | 3.95 | 4.91 | 3.62 | 4.17 | 4.24 | 3.68 | 4.23 | 5.04 | 4.96 | --- | --- |
| 14 | 4.31 | 4.51 | 5.60 | 3.38 | 4.71 | 3.60 | 4.14 | 3.99 | 5.23 | 4.61 | --- | --- |
| 15 | 4.63 | 5.29 | 3.67 | 4.13 | 4.74 | 3.27 | 4.42 | 3.90 | 4.75 | 4.34 | --- | --- |
| 16 | 4.49 | 6.47 | 2.59 | 4.50 | 4.38 | 4.13 | 4.63 | 3.86 | 4.42 | 4.18 | --- | --- |
| 17 | 4.21 | 4.97 | 3.56 | 5.03 | 5.23 | 5.06 | 5.32 | 3.67 | 4.08 | 4.00 | --- | --- |
| 18 | 4.02 | 4.66 | 4.32 | 4.60 | 8.40 | 5.45 | 5.55 | 3.78 | 3.96 | 4.93 | --- | --- |
| 19 | 4.31 | 4.34 | 4.72 | 5.42 | 10.02 | 3.41 | 4.19 | 3.98 | 4.21 | 5.51 | --- | --- |
| 20 | 4.43 | 3.54 | 4.49 | 4.51 | 8.46 | 3.66 | 4.47 | 4.13 | 4.39 | 4.94 | --- | --- |
| 21 | 3.15 | 3.94 | 4.40 | 3.16 | 7.10 | 3.74 | 4.87 | 5.08 | 4.56 | 4.36 | --- | --- |
| 22 | 4.44 | 4.88 | 4.96 | 3.67 | 5.95 | 3.72 | 4.92 | 5.27 | 4.74 | 4.17 | --- | --- |
| 23 | 4.75 | 5.02 | 4.90 | 3.84 | 5.52 | 4.22 | 4.74 | 4.23 | 4.59 | 4.00 | --- | --- |
| 24 | 4.99 | 5.02 | 5.23 | 4.28 | 4.97 | 4.81 | 4.31 | 3.99 | 5.42 | 4.00 | --- | --- |
| 25 | 4.53 | 5.14 | 5.25 | 2.51 | 5.11 | 4.63 | 4.60 | 3.45 | 5.57 | 3.99 | --- | --- |
| 26 | 4.87 | 4.54 | 5.00 | 2.60 | 4.99 | 4.04 | 3.96 | 3.93 | 4.53 | 4.00 | --- | --- |
| 27 | 4.12 | 4.38 | 4.37 | 3.26 | 4.76 | 3.98 | 3.89 | 4.51 | 4.21 | 4.01 | --- | --- |
| 28 | 3.88 | 3.25 | 2.96 | 3.59 | 4.61 | 4.69 | 4.18 | 4.87 | 4.03 | 4.44 | --- | --- |
| 29 | 4.40 | 3.97 | 2.24 | 4.07 | 4.59 | 5.01 | 5.54 | 5.08 | 4.12 | 4.69 | --- | --- |
| 30 | 4.45 | 3.96 | 3.94 | 4.57 | --- | 6.39 | 6.08 | 5.24 | 4.29 | 4.67 | --- | --- |
| 31 | 4.39 | --- | 4.85 | 4.60 | --- | 6.27 | --- | 5.14 | --- | 4.58 | --- | --- |
| MAX | 4.99 | 6.47 | 5.73 | 5.51 | 10.02 | 6.99 | 8.76 | 5.27 | 5.57 | 5.51 | --- | --- |
| MIN | 3.15 | 2.27 | 2.24 | 2.51 | 3.37 | 3.27 | 2.74 | 3.45 | 3.96 | 3.99 | --- | --- |

## 08010000 BAYOU DES CANNES NEAR EUNICE, LA

LOCATION.--Lat 30°29'00", long 92°29'25", in SW 1/4 SE 1/4 sec.32, T.6 S., R.1 W., Louisiana meridian, Evangeline Parish, Hydrologic Unit 08080201, on left downstream side of bridge on U.S. Highway 190, 3.0 mi downstream from Missouri Pacific Railroad bridge, and 4.0 mi west of Eunice.

DRAINAGE AREA.--131 mi².

PERIOD OF RECORD.--October 1938 to current year.

REVISED RECORDS.--WSP 1242: 1950(P).

GAGE.--Non-recording gage read twice daily. Datum of gage is 14.84 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Dec. 12, 1987, water-stage recorder at same site and datum. Prior to Jan. 17, 1940, nonrecording gage at same site and datum. Water-stage recorder for Bayou des Cannes at State Highway 755, near Eunice (Station No. 08010010) used as auxiliary gage for this station from November 1950 to September 1984. See WSP 1732 for history of changes prior to Jan. 13, 1958.

REMARKS.--Records fair. Small diversion above station. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--50 years, 270 ft³/s, 27.99 in/yr, 195,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,900 ft³/s May 20, 1953, gage height, 22.36 ft. No flow at times in 1939, 1948, 1955-56, 1964, 1971, 1975-77.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 6,640 ft³/s Feb. 2; minimum daily discharge, 0.30 ft³/s Oct. 19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | e3.1 | e6.0 | 44 | 253 | 2270 | 37 | 1630 | 264 | 7.1 | 18 | 38 | 21 |
| 2 | e2.7 | e4.5 | 25 | 449 | 6640 | 123 | 3610 | 102 | 6.5 | 16 | 68 | 61 |
| 3 | e2.0 | e3.6 | 17 | 173 | 6610 | 585 | 3670 | 64 | 14 | 15 | 40 | 14 |
| 4 | e2.0 | e2.8 | e14 | 100 | 6030 | 356 | 2230 | 26 | 227 | 33 | 57 | 96 |
| 5 | e2.3 | e2.2 | e11 | 64 | 4220 | 95 | 887 | 21 | 175 | 76 | 46 | 82 |
| 6 | e1.9 | e1.7 | e120 | 93 | 3220 | 42 | 221 | 20 | 36 | 124 | 37 | 38 |
| 7 | e1.7 | e1.4 | 784 | 553 | 2030 | 43 | 152 | 18 | 19 | 184 | 59 | 90 |
| 8 | e1.3 | e1.2 | 998 | 674 | 606 | 507 | 132 | 14 | 9.0 | 315 | 76 | 71 |
| 9 | e1.1 | 50 | 353 | 184 | 224 | 3330 | 100 | 22 | 7.2 | 280 | 89 | 20 |
| 10 | e.95 | 134 | 121 | 89 | 315 | 4130 | 67 | 12 | 5.5 | 1180 | 278 | 18 |
| 11 | e.81 | 44 | 75 | 59 | 209 | 3610 | 97 | 8.7 | 4.5 | 675 | 338 | 16 |
| 12 | e.70 | 18 | 54 | 50 | 266 | 1790 | 108 | 9.6 | 5.0 | 286 | 582 | 17 |
| 13 | e.60 | e6.4 | e47 | 134 | 114 | 458 | 81 | 7.2 | 4.6 | 174 | 507 | 32 |
| 14 | e.49 | e4.0 | e38 | 152 | 216 | 104 | 107 | 5.7 | 2.8 | 115 | 268 | 27 |
| 15 | e.45 | e3.0 | e32 | 79 | 685 | 24 | 100 | 5.7 | 2.5 | 101 | 84 | 13 |
| 16 | e.39 | e11 | e26 | 74 | 494 | 21 | 79 | 7.6 | 3.0 | 132 | 46 | 37 |
| 17 | e.35 | 816 | e22 | 80 | 113 | 40 | 59 | 6.5 | 3.1 | 80 | 31 | 53 |
| 18 | e.32 | 306 | 20 | 82 | 821 | 1070 | 58 | 5.5 | 2.5 | 710 | 45 | 39 |
| 19 | e.30 | 70 | 106 | 78 | 2410 | 905 | 89 | 17 | 3.0 | 1430 | 47 | 23 |
| 20 | e.58 | 32 | 473 | 76 | 1360 | 260 | 38 | 3.8 | 2.0 | 1130 | 42 | 10 |
| 21 | e1.2 | 21 | 566 | 58 | 408 | 65 | 22 | 595 | 2.3 | 568 | 58 | 8.5 |
| 22 | e2.9 | 16 | 1980 | 36 | 127 | 31 | 33 | 1480 | 4.4 | 398 | 292 | 9.0 |
| 23 | e5.8 | e8.0 | 854 | 33 | 108 | 26 | 36 | 913 | 4.5 | 321 | 190 | 7.9 |
| 24 | e12 | e4.0 | 166 | 24 | 122 | 40 | 57 | 346 | 8.1 | 250 | 166 | 7.6 |
| 25 | e27 | e16 | 113 | 29 | 78 | 65 | 29 | 113 | 73 | 114 | 315 | 7.6 |
| 26 | e59 | 68 | 93 | 30 | 53 | 65 | 41 | 30 | 695 | 108 | 134 | 7.4 |
| 27 | 104 | 97 | 102 | 27 | 37 | 29 | 29 | 23 | 197 | 86 | 84 | 7.2 |
| 28 | 57 | 615 | 99 | 33 | 35 | 29 | 23 | 13 | 100 | 103 | 46 | 7.1 |
| 29 | 31 | 279 | 70 | 40 | 29 | 91 | 24 | 6.9 | 49 | 100 | 23 | 10 |
| 30 | 18 | 85 | 55 | 30 | --- | 1310 | 336 | 7.1 | 3.6 | 95 | 19 | 178 |
| 31 | e10 | --- | 56 | 30 | --- | 2050 | --- | 6.9 | --- | 66 | 12 | --- |
| TOTAL | 351.94 | 2726.8 | 7534 | 3866 | 39850 | 21331 | 14145 | 4174.2 | 1676.2 | 9283 | 4117 | 1028.3 |
| MEAN | 11.4 | 90.9 | 243 | 125 | 1374 | 688 | 471 | 135 | 55.9 | 299 | 133 | 34.3 |
| MAX | 104 | 816 | 1980 | 674 | 6640 | 4130 | 3670 | 1480 | 695 | 1430 | 582 | 178 |
| MIN | .30 | 1.2 | 11 | 24 | 29 | 21 | 22 | 3.8 | 2.0 | 15 | 12 | 7.1 |
| AC-FT | 698 | 5410 | 14940 | 7670 | 79040 | 42310 | 28060 | 8280 | 3320 | 18410 | 8170 | 2040 |
| CFSM | .09 | .69 | 1.86 | .95 | 10.5 | 5.25 | 3.60 | 1.03 | .43 | 2.29 | 1.01 | .26 |
| IN. | .10 | .77 | 2.14 | 1.10 | 11.32 | 6.06 | 4.02 | 1.19 | .48 | 2.64 | 1.17 | .29 |

CAL YR 1987 TOTAL 89148.24 MEAN 244 MAX 4520 MIN .30 AC-FT 176800 CFSM 1.86 IN. 25.32
WTR YR 1988 TOTAL 110083.44 MEAN 301 MAX 6640 MIN .30 AC-FT 218400 CFSM 2.30 IN. 31.26

e Estimated.

## 08010000 BAYOU DES CANNES NEAR EUNICE, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | --- | --- | 2.74 | 6.18 | 9.95 | 2.55 | 14.95 | 6.80 | 2.09 | 1.98 | 2.60 | 2.09 |
| 2 | --- | --- | 2.21 | 8.65 | 19.77 | 4.10 | 17.60 | 4.22 | 2.05 | 1.91 | 3.35 | 3.16 |
| 3 | --- | --- | 1.96 | 5.17 | 19.75 | 10.05 | 17.65 | 3.58 | 2.40 | 1.90 | 2.63 | 4.89 |
| 4 | --- | --- | 1.90 | 3.80 | 19.40 | 7.90 | 16.30 | 2.83 | 6.28 | 2.44 | 3.05 | 4.02 |
| 5 | --- | --- | 1.90 | 2.95 | 18.10 | 4.00 | 11.66 | 2.65 | 5.50 | 3.55 | 2.80 | 3.70 |
| 6 | --- | --- | 1.91 | 3.65 | 17.25 | 2.70 | 6.20 | 2.62 | 3.05 | 4.59 | 2.57 | 2.58 |
| 7 | --- | --- | 11.04 | 9.62 | 15.56 | 2.73 | 5.10 | 2.57 | 2.55 | 5.65 | 3.12 | 3.87 |
| 8 | --- | --- | 12.78 | 10.75 | 10.23 | 7.49 | 4.75 | 2.40 | 2.20 | 7.42 | 3.55 | 3.42 |
| 9 | --- | 2.78 | 7.44 | 5.35 | 6.25 | 17.35 | 4.20 | 2.70 | 2.10 | 7.00 | 3.85 | 2.05 |
| 10 | --- | 4.63 | 4.22 | 3.57 | 7.13 | 18.03 | 3.63 | 2.33 | 1.98 | 13.40 | 6.97 | 1.99 |
| 11 | --- | 2.62 | 3.24 | 2.81 | 6.03 | 17.60 | 4.15 | 2.18 | 1.90 | 10.80 | 7.69 | 1.93 |
| 12 | --- | 1.88 | 2.68 | 2.60 | 6.66 | 14.70 | 4.32 | 2.23 | 1.94 | 7.08 | 10.02 | 1.95 |
| 13 | --- | --- | --- | 4.48 | 4.40 | 8.79 | 3.88 | 2.10 | 1.91 | 5.48 | 9.35 | 2.43 |
| 14 | --- | --- | --- | 4.82 | 5.86 | 4.25 | 4.30 | 2.00 | 1.77 | 4.42 | 6.85 | 2.27 |
| 15 | --- | --- | --- | 3.34 | 10.88 | 2.75 | 4.20 | 2.00 | 1.74 | 4.12 | 3.75 | 1.80 |
| 16 | --- | --- | --- | 3.20 | 9.07 | 2.65 | 3.85 | 2.12 | 1.78 | 4.75 | 2.80 | 2.55 |
| 17 | --- | 11.92 | --- | 3.35 | 4.27 | 3.14 | 3.48 | 2.05 | 1.79 | 3.65 | 2.40 | 2.96 |
| 18 | --- | 7.01 | 1.75 | 3.40 | 10.96 | 12.65 | 3.45 | 1.98 | 1.74 | 10.68 | 2.78 | 2.61 |
| 19 | --- | 3.39 | 3.52 | 3.30 | 16.39 | 12.14 | 4.01 | 1.95 | 1.78 | 14.40 | 2.82 | 2.15 |
| 20 | --- | 2.42 | 8.89 | 3.25 | 14.18 | 6.52 | 3.10 | 1.84 | 1.70 | 13.50 | 2.70 | 1.70 |
| 21 | --- | 2.09 | 9.73 | 2.80 | 8.27 | 3.60 | 2.70 | 8.12 | 1.73 | 9.90 | 3.08 | 1.60 |
| 22 | --- | 1.92 | 15.75 | 2.25 | 4.65 | 2.95 | 3.00 | 14.50 | 1.89 | 8.33 | 7.15 | 1.63 |
| 23 | --- | --- | 11.28 | 2.15 | 4.27 | 2.82 | 3.04 | 11.86 | 1.90 | 7.50 | 5.73 | 1.57 |
| 24 | --- | --- | 5.05 | 1.88 | 4.54 | 3.13 | 3.43 | 7.79 | 2.15 | 6.60 | 5.35 | 1.55 |
| 25 | --- | --- | 4.08 | 2.05 | 3.59 | 3.60 | 2.92 | 4.40 | 3.57 | 4.40 | 7.43 | 1.55 |
| 26 | --- | 3.34 | 3.65 | 2.08 | 2.95 | 3.60 | 3.15 | 2.94 | 10.94 | 4.27 | 4.77 | 1.54 |
| 27 | 4.04 | 3.79 | 3.85 | 2.00 | 2.55 | 2.90 | 2.90 | 2.72 | 5.85 | 3.80 | 3.74 | 1.53 |
| 28 | 2.95 | 10.28 | 3.79 | 2.15 | 2.50 | 2.91 | 2.73 | 2.37 | 4.10 | 4.17 | 2.80 | 1.52 |
| 29 | 2.28 | 6.77 | 3.10 | 2.35 | 2.35 | 3.86 | 2.74 | 2.08 | 2.86 | 4.10 | 2.15 | 1.70 |
| 30 | 1.87 | 3.75 | 2.72 | 2.08 | --- | 13.82 | 7.63 | 2.09 | 2.25 | 4.00 | 2.01 | 5.55 |
| 31 | --- | --- | 2.75 | 2.08 | --- | 15.90 | --- | 2.08 | --- | 3.29 | 1.77 | --- |
| MAX | --- | --- | 15.75 | 10.75 | 19.77 | 18.03 | 17.65 | 14.50 | 10.94 | 14.40 | 10.02 | 5.55 |
| MIN | --- | --- | --- | 1.88 | 2.35 | 2.55 | 2.70 | 1.84 | 1.70 | 1.90 | 1.77 | 1.52 |

## 08012000 BAYOU NEZPIQUE NEAR BASILE, LA

LOCATION.--Lat 30°28'50", long 92°37'55", in NE 1/4 NW 1/4 sec.1, T.7 S., R.3 W., Evangeline Parish, Hydrologic Unit 08080201, near left bank on U.S. Highway 190, 1,300 ft downstream from Missouri Pacific Railroad bridge, and 2.0 mi west of Basile.

DRAINAGE AREA.--527 mi².

PERIOD OF RECORD.--October 1938 to current year.

REVISED RECORDS.--WSP 1512: 1945-55.

GAGE.--Water-stage recorder. Datum of gage is 3.39 ft above National Geodetic Vertical Datum of 1929. Prior to July 1947, nonrecording gage at same site and datum. Water-stage recorder for Bayou Nezpique at Mamou pumping plant near Basile (station 08012020) used as auxiliary for this station since July 7, 1979 to Sept. 30, 1984. Mar. 27, 1945 to July 6, 1979, auxiliary nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharges. Records good. Diversion for irrigation by Mamou pumping plant may affect stage-discharge relation. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--50 years, 797 ft³/s, 21.31 in/yr, 599,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 35,800 ft³/s May 20, 1953, gage height, 34.39 ft; minimum discharge, 0.1 ft³/s June 7-31, 1943, June 22-29, 1948; minimum gage height, 1.00 ft June 28, 1948.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,460 ft³/s Feb. 3, gage height, 24.72 ft; minimum, 1.0 ft³/s Oct. 18, 19, gage height, 0.98 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.0 | 8.2 | 1060 | 494 | 1480 | 150 | 3120 | 403 | 24 | 73 | 109 | 31 |
| 2 | 5.3 | 7.9 | 754 | 993 | 5960 | 173 | 4250 | 351 | 25 | 57 | 89 | 99 |
| 3 | 3.8 | 8.2 | 487 | 1320 | 9000 | 923 | 5180 | 225 | 24 | 41 | 110 | 175 |
| 4 | 3.0 | 7.0 | 277 | 1200 | 9240 | 1730 | 5300 | 149 | 39 | 31 | 103 | 497 |
| 5 | 3.3 | 5.7 | 158 | 855 | 8180 | 1870 | 4940 | 108 | 69 | 57 | 104 | 906 |
| 6 | 3.4 | 4.7 | 104 | 519 | 7070 | 1580 | 4550 | 86 | 109 | 260 | 93 | 746 |
| 7 | 3.3 | 4.2 | 384 | 533 | 6070 | 1190 | 4120 | 87 | 105 | 449 | 72 | 403 |
| 8 | 3.0 | 3.9 | 1080 | 1240 | 5190 | 1020 | 3630 | 102 | 83 | 544 | 68 | 188 |
| 9 | 2.9 | 17 | 1290 | 1670 | 4610 | 2910 | 3060 | 100 | 56 | 516 | 63 | 85 |
| 10 | 2.9 | 78 | 1140 | 1630 | 4070 | 5430 | 2450 | 71 | 39 | 483 | 92 | 45 |
| 11 | 2.8 | 66 | 813 | 1340 | 3530 | 6270 | 1730 | 62 | 34 | 786 | 295 | 35 |
| 12 | 2.4 | 36 | 492 | 912 | 3160 | 5750 | 933 | 59 | 31 | 854 | 721 | 26 |
| 13 | 2.0 | 22 | 287 | 533 | 2890 | 5080 | 489 | 50 | 28 | 642 | 807 | 26 |
| 14 | 1.7 | 15 | 185 | 388 | 2420 | 4590 | 308 | 45 | 27 | 468 | 560 | 28 |
| 15 | 1.4 | 11 | 132 | 351 | 2030 | 4130 | 224 | 40 | 24 | 330 | 315 | 25 |
| 16 | 1.1 | 23 | 111 | 292 | 1950 | 3580 | 195 | 34 | 19 | 279 | 181 | 22 |
| 17 | 1.1 | 491 | 87 | 269 | 1770 | 2960 | 190 | 31 | 16 | 369 | 113 | 113 |
| 18 | 1.0 | 863 | 65 | 299 | 1640 | 2700 | 207 | 35 | 14 | 411 | 91 | 312 |
| 19 | 1.1 | 721 | 60 | 306 | 2390 | 2790 | 199 | 36 | 13 | 759 | 252 | 182 |
| 20 | 1.3 | 497 | 380 | 356 | 3260 | 2700 | 169 | 32 | 14 | 1040 | 245 | 72 |
| 21 | 1.5 | 355 | 963 | 346 | 3350 | 2250 | 136 | 59 | 16 | 985 | 141 | 33 |
| 22 | 1.8 | 266 | 1520 | 279 | 3050 | 1740 | 121 | 267 | 18 | 840 | 119 | 19 |
| 23 | 2.3 | 170 | 1880 | 224 | 2540 | 1260 | 96 | 399 | 16 | 786 | 211 | 12 |
| 24 | 2.4 | 93 | 1820 | 176 | 2130 | 796 | 90 | 279 | 17 | 601 | 384 | 9.3 |
| 25 | 2.2 | 54 | 1490 | 134 | 1780 | 494 | 100 | 173 | 59 | 396 | 454 | 7.4 |
| 26 | 2.7 | 85 | 1050 | 108 | 1240 | 336 | 108 | 108 | 187 | 246 | 581 | 6.1 |
| 27 | 3.3 | 184 | 703 | 88 | 659 | 272 | 109 | 69 | 206 | 201 | 476 | 5.1 |
| 28 | 9.1 | 720 | 625 | 79 | 337 | 232 | 99 | 58 | 167 | 199 | 284 | 4.6 |
| 29 | 17 | 1330 | 583 | 76 | 198 | 224 | 108 | 45 | 137 | 167 | 142 | 7.5 |
| 30 | 13 | 1360 | 490 | 67 | --- | 846 | 203 | 33 | 106 | 144 | 71 | 412 |
| 31 | 11 | --- | 386 | 60 | --- | 2090 | --- | 25 | --- | 130 | 43 | --- |
| TOTAL | 121.1 | 7506.8 | 20856 | 17137 | 101194 | 68066 | 46414 | 3621 | 1722 | 13144 | 7389 | 4532.0 |
| MEAN | 3.91 | 250 | 673 | 553 | 3489 | 2196 | 1547 | 117 | 57.4 | 424 | 238 | 151 |
| MAX | 17 | 1360 | 1880 | 1670 | 9240 | 6270 | 5300 | 403 | 206 | 1040 | 807 | 906 |
| MIN | 1.0 | 3.9 | 60 | 60 | 198 | 150 | 90 | 25 | 13 | 31 | 43 | 4.6 |
| AC-FT | 240 | 14890 | 41370 | 33990 | 200700 | 135000 | 92060 | 7180 | 3420 | 26070 | 14660 | 8990 |
| CFSM | .01 | .47 | 1.28 | 1.05 | 6.62 | 4.17 | 2.94 | .22 | .11 | .80 | .45 | .29 |
| IN. | .01 | .53 | 1.47 | 1.21 | 7.14 | 4.80 | 3.28 | .26 | .12 | .93 | .52 | .32 |

CAL YR 1987 TOTAL 265079.9 MEAN 726 MAX 7500 MIN 1.0 AC-FT 525800 CFSM 1.38 IN. 18.71
WTR YR 1988 TOTAL 291702.9 MEAN 797 MAX 9240 MIN 1.0 AC-FT 578600 CFSM 1.51 IN. 20.59

### 08012000 BAYOU NEZPIQUE NEAR BASILE, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.52 | 1.52 | 13.38 | 8.33 | 10.84 | 4.76 | 19.47 | 8.04 | 2.16 | 3.43 | 4.07 | 2.65 |
| 2 | 1.37 | 1.51 | 11.24 | 12.90 | 22.44 | 4.78 | 20.93 | 7.46 | 2.21 | 3.08 | 3.72 | 4.01 |
| 3 | 1.26 | 1.52 | 8.88 | 14.76 | 24.46 | 12.17 | 21.92 | 5.86 | 2.15 | 2.68 | 4.08 | 5.20 |
| 4 | 1.18 | 1.47 | 6.56 | 14.15 | 24.60 | 16.47 | 22.04 | 4.74 | 2.62 | 2.41 | 3.95 | 8.84 |
| 5 | 1.21 | 1.40 | 4.88 | 12.00 | 23.99 | 16.92 | 21.69 | 4.05 | 3.32 | 2.99 | 3.98 | 12.41 |
| 6 | 1.22 | 1.34 | 3.98 | 9.19 | 23.30 | 15.95 | 21.28 | 3.66 | 4.07 | 6.26 | 3.78 | 11.16 |
| 7 | 1.21 | 1.30 | 7.58 | 9.26 | 22.62 | 14.05 | 20.78 | 3.69 | 4.00 | 8.52 | 3.41 | 8.00 |
| 8 | 1.18 | 1.27 | 13.42 | 14.32 | 21.93 | 13.02 | 20.18 | 3.94 | 3.60 | 9.45 | 3.33 | 5.38 |
| 9 | 1.17 | 1.84 | 14.58 | 16.29 | 21.34 | 18.92 | 19.39 | 3.91 | 3.06 | 9.18 | 3.23 | 3.85 |
| 10 | 1.17 | 3.51 | 13.82 | 16.17 | 20.73 | 22.09 | 18.36 | 3.37 | 2.64 | 8.85 | 3.76 | 3.06 |
| 11 | 1.16 | 3.27 | 11.69 | 14.86 | 20.05 | 22.76 | 16.37 | 3.19 | 2.48 | 11.48 | 6.72 | 2.78 |
| 12 | 1.12 | 2.54 | 8.92 | 12.39 | 19.55 | 22.38 | 12.47 | 3.13 | 2.40 | 12.02 | 10.95 | 2.50 |
| 13 | 1.08 | 2.08 | 6.68 | 9.32 | 19.14 | 21.83 | 8.89 | 2.93 | 2.31 | 10.31 | 11.66 | 2.49 |
| 14 | 1.05 | 1.83 | 5.29 | 7.88 | 18.31 | 21.32 | 6.95 | 2.80 | 2.28 | 8.70 | 9.57 | 2.57 |
| 15 | 1.02 | 1.65 | 4.47 | 7.46 | 17.38 | 20.80 | 5.87 | 2.66 | 2.15 | 7.22 | 7.02 | 2.45 |
| 16 | .99 | 2.02 | 4.11 | 6.76 | 17.16 | 20.12 | 5.45 | 2.50 | 1.99 | 6.59 | 5.27 | 2.35 |
| 17 | .99 | 8.69 | 3.67 | 6.47 | 16.61 | 19.24 | 5.37 | 2.41 | 1.89 | 7.67 | 4.30 | 3.98 |
| 18 | .98 | 12.09 | 3.27 | 6.85 | 16.17 | 18.83 | 5.63 | 2.53 | 1.78 | 8.12 | 3.96 | 7.01 |
| 19 | .99 | 10.98 | 3.14 | 6.94 | 18.17 | 18.98 | 5.51 | 2.55 | 1.73 | 11.25 | 6.23 | 5.29 |
| 20 | 1.01 | 8.99 | 7.54 | 7.53 | 19.68 | 18.83 | 5.05 | 2.44 | 1.80 | 13.28 | 6.15 | 3.62 |
| 21 | 1.03 | 7.51 | 12.70 | 7.41 | 19.82 | 17.94 | 4.53 | 3.06 | 1.87 | 12.94 | 4.72 | 2.70 |
| 22 | 1.06 | 6.44 | 15.67 | 6.60 | 19.38 | 16.51 | 4.28 | 6.30 | 1.93 | 11.92 | 4.40 | 2.23 |
| 23 | 1.11 | 5.06 | 16.95 | 5.86 | 18.55 | 14.54 | 3.84 | 8.00 | 1.86 | 11.50 | 5.67 | 1.97 |
| 24 | 1.12 | 3.79 | 16.75 | 5.17 | 17.67 | 11.55 | 3.74 | 6.59 | 1.89 | 9.95 | 7.84 | 1.83 |
| 25 | 1.10 | 3.02 | 15.58 | 4.50 | 16.63 | 8.95 | 3.91 | 5.11 | 3.02 | 7.95 | 8.55 | 1.75 |
| 26 | 1.15 | 3.61 | 13.30 | 4.05 | 14.33 | 7.29 | 4.05 | 4.06 | 5.32 | 6.16 | 9.79 | 1.68 |
| 27 | 1.21 | 5.26 | 10.83 | 3.70 | 10.42 | 6.52 | 4.08 | 3.34 | 5.61 | 5.54 | 8.78 | 1.62 |
| 28 | 1.54 | 10.76 | 10.17 | 3.53 | 7.28 | 5.98 | 3.90 | 3.10 | 5.02 | 5.51 | 6.64 | 1.59 |
| 29 | 1.91 | 14.81 | 9.80 | 3.47 | 5.49 | 5.87 | 4.06 | 2.80 | 4.56 | 5.02 | 4.73 | 1.68 |
| 30 | 1.77 | 14.96 | 8.93 | 3.31 | --- | 11.50 | 5.52 | 2.45 | 4.02 | 4.66 | 3.61 | 7.64 |
| 31 | 1.65 | --- | 7.86 | 3.15 | --- | 17.46 | --- | 2.19 | --- | 4.44 | 3.00 | --- |
| MAX | 1.91 | 14.96 | 16.95 | 16.29 | 24.60 | 22.76 | 22.04 | 8.04 | 5.61 | 13.28 | 11.66 | 12.41 |
| MIN | .98 | 1.27 | 3.14 | 3.15 | 5.49 | 4.76 | 3.74 | 2.19 | 1.73 | 2.41 | 3.00 | 1.59 |

## 08012150 MERMENTAU RIVER AT MERMENTAU, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°11'23", long 92°35'25", on line between secs.14 and 31, T.10 S., R.2 W., on parish line of Jefferson Davis and Acadia Parishes, Hydrologic Unit 08080202, on downstream side of U.S. Highway 90 bridge, 300 ft upstream from Southern Pacific Transportation Company railroad bridge, 0.25 mi west of Mermentau, and 2.0 mi downstream from confluence with Bayous Nezpique and Des Cannes.

DRAINAGE AREA.--1,381 mi².

### WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1984 to current year. Gage-height records only, August 1941 to September 1984 in files of Corps of Engineers, New Orleans district.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is 0.58 ft above National Geodetic Vertical Datum of 1929. Prior to October 1984, datum of gage is at mean low Gulf.

REMARKS.--No estimated daily discharges. Records poor. Discharge is affected by tide and wind at medium and low stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 10.97 ft Nov. 2, 1985; minimum gage height, -0.03 ft Aug. 15, 1985.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height, 14.5 ft August 1940; minimum gage height, -0.94 ft July 13, 1951.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 23,100 ft³/s Feb. 8; maximum gage height, 4.89 ft Feb. 6; minimum discharge, -7,420 ft³/s Nov. 16; minimum gage height, 0.64 ft Oct. 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 28 | --- | 470 | 689 | -672 | 1010 | 2410 | 674 | 1540 | 1310 | 2280 | 1510 |
| 2 | -57 | --- | 651 | 1390 | 3600 | -68 | 5320 | 439 | 951 | 2090 | 3580 | 1980 |
| 3 | 110 | --- | 604 | 972 | 967 | 1280 | 8220 | -81 | 1810 | 1950 | 3030 | 3100 |
| 4 | 166 | --- | 513 | 980 | 4800 | 1270 | 8740 | 926 | 2960 | 2110 | 1680 | 8500 |
| 5 | 17 | --- | 388 | 1290 | 6110 | 848 | 8920 | 620 | 3430 | 3070 | 1630 | 10700 |
| 6 | 237 | --- | 423 | 1120 | 11800 | 818 | 6770 | 91 | 2150 | 2770 | 1530 | 10500 |
| 7 | 164 | --- | 1040 | 1230 | 10900 | 821 | 5200 | -597 | 1330 | 2980 | 1530 | 11000 |
| 8 | -448 | --- | 1280 | 2040 | 17000 | 1280 | 3360 | -1770 | 925 | 3490 | 1490 | 9280 |
| 9 | -13 | --- | 771 | 1890 | 14900 | 2840 | --- | 484 | 537 | 3820 | 1500 | 6790 |
| 10 | 322 | --- | 465 | 2270 | 12300 | 3430 | --- | 92 | 2330 | 2790 | 1490 | 5120 |
| 11 | 375 | --- | 617 | 2590 | 10400 | 3940 | --- | 383 | 1850 | 3990 | 1580 | 3770 |
| 12 | 561 | --- | 465 | 2660 | 8250 | 4880 | --- | 116 | 1160 | 4000 | 1610 | 4650 |
| 13 | 256 | 350 | 610 | 2710 | 7380 | 5020 | --- | 525 | 1340 | 4690 | 1640 | 4940 |
| 14 | 165 | -287 | 90 | 1940 | 6870 | 3450 | --- | 180 | 1360 | 4230 | 1620 | 4980 |
| 15 | 321 | -1040 | 915 | 1390 | 7760 | 3160 | --- | 83 | 1310 | 3690 | 1570 | 4050 |
| 16 | 83 | -1890 | 766 | 1030 | 6270 | 2290 | --- | 120 | 1240 | 3850 | 1550 | 2640 |
| 17 | --- | 821 | 869 | 1010 | 5480 | 2320 | --- | -102 | 1450 | 3060 | 1500 | 2630 |
| 18 | --- | 804 | 535 | 682 | 7690 | 2820 | --- | --- | 1510 | 5300 | 1500 | 2660 |
| 19 | --- | 394 | -37 | 739 | 10800 | 2990 | --- | --- | 1280 | 7640 | 1500 | 2670 |
| 20 | --- | 297 | 545 | 2090 | 11100 | 2540 | --- | --- | 1410 | 7620 | 1500 | 3410 |
| 21 | --- | 737 | 1160 | 2000 | 10600 | 2190 | --- | 3380 | 1940 | 7500 | 1490 | 2510 |
| 22 | --- | 402 | 1670 | 1830 | 10100 | 1660 | --- | 4180 | 1630 | 7730 | 1500 | 2180 |
| 23 | --- | 288 | 1910 | 701 | 8130 | 1310 | 405 | 4310 | 1740 | 6770 | 1520 | 1880 |
| 24 | --- | 71 | 1040 | 854 | 5710 | 1330 | 665 | 4320 | 1740 | 5930 | 1550 | 1240 |
| 25 | --- | 226 | 734 | 624 | 3820 | 1010 | 250 | 4350 | 1320 | 5060 | 1580 | 2280 |
| 26 | --- | 643 | 527 | 230 | 3360 | 802 | 457 | 3400 | 1720 | 4700 | 1550 | 1880 |
| 27 | --- | 663 | 427 | 272 | 3010 | 974 | 875 | 2170 | 2080 | 3400 | 1530 | 1400 |
| 28 | --- | 475 | 1290 | 76 | 2170 | 338 | 380 | 1730 | 1470 | 4180 | 1530 | 1210 |
| 29 | --- | 507 | 1370 | 74 | 1450 | 229 | -256 | 1470 | 1590 | 3160 | 1510 | 1420 |
| 30 | --- | 506 | 907 | -74 | --- | 504 | 388 | 1180 | 1500 | 2850 | 1520 | 1860 |
| 31 | --- | --- | 920 | -379 | --- | 1760 | --- | 1240 | --- | 2280 | 1420 | --- |
| TOTAL | --- | --- | 23935 | 36920 | 212055 | 59046 | --- | --- | 48603 | 128010 | 52010 | 122740 |
| MEAN | --- | --- | 772 | 1191 | 7312 | 1905 | --- | --- | 1620 | 4129 | 1678 | 4091 |
| MAX | --- | --- | 1910 | 2710 | 17000 | 5020 | 8920 | --- | 3430 | 7730 | 3580 | 11000 |
| MIN | --- | -1890 | -37 | -379 | -672 | -68 | -256 | -1770 | 537 | 1310 | 1420 | 1210 |
| AC-FT | --- | --- | 47480 | 73230 | 420600 | 117100 | --- | --- | 96400 | 253900 | 103200 | 243500 |

## 08012150 MERMENTAU RIVER AT MERMENTAU, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.11 | --- | 1.58 | 1.59 | 1.50 | 2.08 | 2.50 | 1.81 | 1.33 | 1.37 | 1.71 | 1.81 |
| 2 | 1.17 | --- | 1.60 | 1.45 | 1.75 | 2.18 | 3.58 | 1.86 | 1.25 | 1.34 | 1.70 | 1.83 |
| 3 | .92 | --- | 1.68 | 1.61 | 2.16 | 2.47 | 4.35 | 1.91 | 1.23 | 1.32 | 1.67 | 2.11 |
| 4 | 1.02 | --- | 1.53 | 1.55 | 3.14 | 2.31 | 4.73 | 1.78 | 1.36 | 1.32 | 1.68 | 2.87 |
| 5 | 1.09 | --- | 1.57 | 1.56 | 4.01 | 2.18 | 4.86 | 1.62 | 1.57 | 1.30 | 1.67 | 3.19 |
| 6 | 1.02 | --- | 1.63 | 1.52 | 4.74 | 2.15 | 4.56 | 1.61 | 1.55 | 1.37 | 1.70 | 3.20 |
| 7 | .97 | --- | 1.91 | 1.78 | 4.85 | 2.09 | 3.90 | 1.63 | 1.56 | 1.42 | 1.71 | 3.09 |
| 8 | 1.03 | --- | 2.02 | 1.86 | 4.50 | 2.37 | 3.37 | 1.78 | 1.55 | 1.46 | 1.64 | 2.81 |
| 9 | 1.08 | --- | 1.94 | 1.82 | 3.91 | 2.86 | --- | 1.71 | 1.59 | 1.55 | 1.52 | 2.50 |
| 10 | 1.01 | --- | 1.93 | 1.72 | 3.35 | 3.05 | --- | 1.54 | 1.38 | 1.88 | 1.74 | 2.38 |
| 11 | .92 | --- | 2.02 | 1.76 | 2.95 | 3.23 | --- | 1.45 | 1.36 | 1.94 | 2.09 | 2.40 |
| 12 | .77 | --- | 1.90 | 1.79 | 2.67 | 3.33 | --- | 1.37 | 1.39 | 2.01 | 2.21 | 2.33 |
| 13 | .86 | 1.09 | 1.87 | 1.59 | 2.54 | 3.22 | --- | 1.40 | 1.39 | 1.99 | 2.15 | 2.25 |
| 14 | .95 | 1.13 | 2.04 | 1.54 | 2.43 | 2.97 | --- | 1.36 | 1.40 | 1.91 | 2.13 | 2.15 |
| 15 | .99 | 1.27 | 1.72 | 1.63 | 2.46 | 2.70 | --- | 1.32 | 1.33 | 1.85 | 2.09 | 2.08 |
| 16 | .96 | 1.67 | 1.55 | 1.68 | 2.42 | 2.53 | --- | 1.27 | 1.28 | 1.73 | 1.92 | 2.16 |
| 17 | --- | 1.66 | 1.56 | 1.73 | 2.36 | 2.47 | --- | 1.19 | 1.23 | 1.65 | 1.86 | 2.27 |
| 18 | --- | 1.56 | 1.59 | 1.72 | 2.99 | 2.72 | --- | --- | 1.18 | 1.83 | 1.88 | 2.28 |
| 19 | --- | 1.48 | 1.71 | 1.82 | 3.83 | 2.64 | --- | --- | 1.20 | 2.12 | 1.87 | 2.27 |
| 20 | --- | 1.40 | 1.63 | 1.69 | 3.96 | 2.48 | --- | --- | 1.21 | 2.20 | 1.84 | 2.16 |
| 21 | --- | 1.45 | 1.79 | 1.57 | 3.99 | 2.34 | --- | 1.44 | 1.19 | 2.18 | 1.77 | 2.09 |
| 22 | --- | 1.51 | 2.15 | 1.59 | 3.86 | 2.22 | --- | 1.69 | 1.17 | 2.13 | 1.77 | 2.02 |
| 23 | --- | 1.51 | 2.25 | 1.60 | 3.49 | 2.14 | 1.71 | 1.65 | 1.19 | 2.01 | 1.80 | 1.98 |
| 24 | --- | 1.48 | 2.27 | 1.50 | 3.04 | 2.20 | 1.58 | 1.59 | 1.28 | 1.88 | 1.78 | 1.95 |
| 25 | --- | 1.47 | 2.33 | 1.31 | 2.83 | 2.28 | 1.64 | 1.39 | 1.51 | 1.78 | 1.88 | 1.81 |
| 26 | --- | 1.45 | 2.31 | 1.34 | 2.70 | 2.04 | 1.46 | 1.36 | 1.46 | 1.67 | 1.88 | 1.70 |
| 27 | --- | 1.42 | 2.16 | 1.28 | 2.55 | 1.89 | 1.30 | 1.45 | 1.43 | 1.68 | 1.85 | 1.70 |
| 28 | --- | 1.49 | 1.91 | 1.28 | 2.37 | 1.98 | 1.30 | 1.46 | 1.41 | 1.75 | 1.81 | 1.71 |
| 29 | --- | 1.58 | 1.60 | 1.32 | 2.22 | 2.11 | 1.48 | 1.48 | 1.42 | 1.75 | 1.78 | 1.68 |
| 30 | --- | 1.64 | 1.66 | 1.35 | --- | 1.94 | 1.72 | 1.47 | 1.42 | 1.73 | 1.73 | 1.66 |
| 31 | --- | --- | 1.75 | 1.37 | --- | 2.25 | --- | 1.41 | --- | 1.70 | 1.74 | --- |
| MAX | --- | --- | 2.33 | 1.86 | 4.85 | 3.33 | 4.86 | 1.91 | 1.59 | 2.20 | 2.21 | 3.20 |
| MIN | --- | --- | 1.53 | 1.28 | 1.50 | 1.89 | 1.30 | --- | 1.17 | 1.30 | 1.52 | 1.66 |

## 08012150 MERMENTAU RIVER AT MERMENTAU, LA--Continued

### WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1953, 1979 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: April 1980 to September 1982.
WATER TEMPERATURES: April 1980 to September 1982.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 642 micromhos Oct. 2, 1981; minimum daily, 51 micromhos Feb. 20, 1982.
WATER TEMPERATURES: Maximum daily, 31.0°C July 12, 14, 15, 17-20, 1980; minimum daily, 6.0°C Jan. 17, 1982.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Minimum, 4.0°C Jan. 13, 1988.

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | STREAM-FLOW, INSTAN-TANEOUS (CFS) | SPE-CIFIC CON-DUCT-ANCE (US/CM) | PH (STAND-ARD UNITS) | TEMPER-ATURE WATER (DEG C) | COLOR (PLAT-INUM-COBALT UNITS) | TUR-BID-ITY (NTU) | OXYGEN, DIS-SOLVED (MG/L) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) | STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 06... | 1500 | 1760 | 237 | 6.92 | 24.5 | 30 | 3.4 | 0.7 | 6.1 | 1200 | K5400 |
| JAN 1988 | | | | | | | | | | | |
| 13... | 1330 | 3000 | 77 | 6.58 | 4.0 | 100 | 72 | 10.2 | 3.3 | K1000 | 4500 |
| APR | | | | | | | | | | | |
| 12... | 1730 | -- | 65 | 6.45 | 18.0 | 100 | 78 | 5.5 | 1.6 | K50 | 350 |
| JUL | | | | | | | | | | | |
| 26... | 1130 | 6000 | 134 | 6.92 | 28.0 | 70 | 40 | 3.6 | 1.5 | 88 | 100 |

| DATE | HARD-NESS TOTAL (MG/L AS CACO3) | CALCIUM DIS-SOLVED (MG/L AS CA) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) | SODIUM, DIS-SOLVED (MG/L AS NA) | POTAS-SIUM, DIS-SOLVED (MG/L AS K) | ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DIS-SOLVED (MG/L AS SO4) | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) | FLUO-RIDE, DIS-SOLVED (MG/L AS F) | SILICA, DIS-SOLVED (MG/L AS SIO2) | SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 06... | 51 | 13 | 4.4 | 23 | 5.2 | 63 | 9.3 | 27 | 0.2 | 11 | 131 |
| JAN 1988 | | | | | | | | | | | |
| 13... | 28 | 4.1 | 1.6 | 6.8 | 2.7 | 15 | 8.4 | 8.7 | 0.1 | 6.4 | 82 |
| APR | | | | | | | | | | | |
| 12... | 18 | 4.5 | 1.6 | 4.3 | 1.9 | 18 | -- | 7.6 | 0.2 | 5.0 | 76 |
| JUL | | | | | | | | | | | |
| 26... | 36 | 9.0 | 3.3 | 11 | 2.6 | 41 | 7.1 | 11 | 0.2 | 9.8 | 86 |

| DATE | SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) | NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) | NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) | NITRO-GEN, AMMONIA TOTAL (MG/L AS N) | NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) | NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) | PHOS-PHOROUS TOTAL (MG/L AS P) | PHOS-PHOROUS DIS-SOLVED (MG/L AS P) | PHOS-PHOROUS ORTHO, DIS-SOLVED (MG/L AS P) | ALUM-INUM, DIS-SOLVED (UG/L AS AL) | ARSENIC DIS-SOLVED (UG/L AS AS) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 06... | 131 | <0.01 | <0.10 | 0.10 | 0.09 | 1.1 | 0.41 | 0.30 | 0.23 | 20 | 4 |
| JAN 1988 | | | | | | | | | | | |
| 13... | 61 | <0.01 | 0.22 | 0.14 | 0.12 | 1.0 | 0.20 | 0.10 | 0.08 | 290 | <1 |
| APR | | | | | | | | | | | |
| 12... | 55 | 0.02 | 0.15 | 0.17 | 0.16 | 1.2 | 0.20 | 0.07 | 0.04 | 210 | 1 |
| JUL | | | | | | | | | | | |
| 26... | 80 | 0.02 | 0.25 | -- | 0.19 | 0.8 | 0.17 | 0.11 | 0.08 | 50 | 2 |

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal colony count).

## 08012150 MERMENTAU RIVER AT MERMENTAU, LA--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | BARIUM, DIS- SOLVED (UG/L AS BA) | BERYL- LIUM, DIS- SOLVED (UG/L AS BE) | CADMIUM DIS- SOLVED (UG/L AS CD) | CHRO- MIUM, DIS- SOLVED (UG/L AS CR) | COBALT, DIS- SOLVED (UG/L AS CO) | COPPER, DIS- SOLVED (UG/L AS CU) | IRON, DIS- SOLVED (UG/L AS FE) | LEAD, DIS- SOLVED (UG/L AS PB) | LITHIUM DIS- SOLVED (UG/L AS LI) | MANGA- NESE, DIS- SOLVED (UG/L AS MN) | MERCURY DIS- SOLVED (UG/L AS HG) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 06... | 85 | <0.5 | <1 | <1 | <3 | 2 | 140 | <5 | 5 | 250 | <0.1 |
| JAN 1988 | | | | | | | | | | | |
| 13... | 39 | <0.5 | <1 | <1 | <3 | 3 | 260 | <5 | <4 | 29 | <0.1 |
| APR | | | | | | | | | | | |
| 12... | 53 | <0.5 | <1 | <1 | <3 | 3 | 320 | <5 | <4 | 61 | <0.1 |
| JUL | | | | | | | | | | | |
| 26... | 80 | <0.5 | <1 | <1 | <3 | 5 | 140 | <5 | <4 | 55 | <0.1 |

| DATE | MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) | NICKEL, DIS- SOLVED (UG/L AS NI) | SELE- NIUM, DIS- SOLVED (UG/L AS SE) | SILVER, DIS- SOLVED (UG/L AS AG) | STRON- TIUM, DIS- SOLVED (UG/L AS SR) | VANA- DIUM, DIS- SOLVED (UG/L AS V) | ZINC, DIS- SOLVED (UG/L AS ZN) | SEDI- MENT, SUS- PENDED (MG/L) | SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 06... | <10 | <1 | <1 | <1 | 87 | <6 | 5 | 8 | 38 | 100 |
| JAN 1988 | | | | | | | | | | |
| 13... | <10 | 3 | <1 | 1 | 25 | <6 | 12 | 46 | 373 | 100 |
| APR | | | | | | | | | | |
| 12... | <10 | 2 | <1 | <1 | 30 | <6 | 12 | 36 | -- | 100 |
| JUL | | | | | | | | | | |
| 26... | <10 | 3 | <1 | 1 | 59 | <6 | 13 | 25 | 405 | 100 |

< Actual value is known to be less than the value shown.

## 08012300 BAYOU QUEUE DE TORTUE AT RICEVILLE, LA

LOCATION.--Lat 30°04'55", long 92°30'20", T.11 S., R.1 W., Louisiana Meridian, Acadia-Vermilion Parish line, Hydrologic Unit 08080202, at bridge on State Highway 91, 0.5 mi northeast of Riceville, and 3.3 mi north of Gueydan.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1985 to current year. Unpublished records, December 1982 to September 1985, available in files of the Baton Rouge District Office.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is 3.30 ft below National Geodetic Vertical Datum of 1929. Oct. 4, 1942 to Dec. 31, 1951, nonrecording gage at same site. Prior to Oct. 1, 1987, at datum 6.60 ft below National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,980 ft³/s Oct. 31, 1985; maximum gage height, 12.01 ft Nov. 2, 1985; mimimum discharge, -919 ft³/s Feb. 14, 1986; minimum gage height, 3.34 ft Feb. 28, 1986.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,150 ft³/s Feb. 21, gage height 9.47 ft; minimum daily discharge, -221 ft³/s Feb. 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | -70 | -21 | -6.3 | 99 | 61 | 41 | 1310 | 371 | -137 | -81 | -25 | 296 |
| 2 | -58 | -31 | -37 | 180 | 632 | -97 | 2230 | 285 | -145 | -78 | -39 | 318 |
| 3 | -25 | -27 | -62 | 163 | 852 | 108 | 3230 | 197 | -107 | -49 | -6.6 | 991 |
| 4 | -51 | -25 | -36 | 88 | 831 | 740 | 3140 | 106 | 59 | -43 | 14 | 2810 |
| 5 | -69 | -26 | -89 | 34 | 839 | 492 | 2630 | 52 | 287 | 25 | 10 | 4660 |
| 6 | -33 | -47 | -86 | -2.5 | 1100 | 283 | 1850 | 21 | 379 | 80 | 16 | 4480 |
| 7 | -53 | -55 | 162 | 75 | 1190 | 137 | 1140 | -22 | 258 | 100 | 72 | 3510 |
| 8 | -60 | -40 | 592 | 412 | 1040 | -115 | 736 | -104 | 129 | 58 | 53 | 2400 |
| 9 | -56 | 16 | 573 | 442 | 868 | 1090 | 496 | -65 | 35 | 35 | 57 | 1480 |
| 10 | -34 | 38 | 369 | 289 | 747 | 1670 | 267 | -53 | -11 | 125 | 176 | 996 |
| 11 | -27 | 13 | 207 | 154 | 601 | 1230 | 204 | -83 | -68 | 435 | 738 | 504 |
| 12 | -26 | -14 | 126 | 62 | 503 | 648 | 132 | -60 | -66 | 428 | 1530 | 230 |
| 13 | -34 | -13 | 47 | 104 | 74 | 452 | 5.6 | -38 | -90 | 272 | 1730 | 113 |
| 14 | -39 | -30 | -105 | 112 | 21 | 253 | -32 | -54 | -108 | 146 | 1410 | 41 |
| 15 | -55 | -46 | 18 | 38 | 151 | 123 | -38 | -48 | -110 | 44 | 997 | 8.1 |
| 16 | -45 | -67 | 22 | -6.4 | 180 | 21 | -49 | -48 | -111 | -4.5 | 607 | -40 |
| 17 | -44 | 27 | -38 | -11 | 121 | -65 | -101 | -45 | -89 | 25 | 303 | -83 |
| 18 | -46 | 38 | -62 | -33 | -221 | 394 | -67 | -67 | -59 | 365 | 194 | -66 |
| 19 | -55 | 85 | -97 | -56 | 3350 | 1000 | 61 | -89 | -35 | 1460 | 278 | -69 |
| 20 | -41 | 75 | -8.4 | 62 | 4650 | 740 | -36 | -102 | -44 | 2040 | 194 | -42 |
| 21 | -12 | -7.3 | 176 | 55 | 4730 | 420 | -63 | -37 | -45 | 1650 | 147 | -65 |
| 22 | -72 | -52 | 766 | 13 | 4210 | 221 | -63 | 212 | -29 | 1420 | 206 | -74 |
| 23 | -42 | -43 | 893 | -14 | 3540 | 59 | -18 | 151 | 65 | 1230 | 267 | -77 |
| 24 | -59 | -67 | 607 | -3.4 | 2930 | 51 | 30 | 56 | 42 | 1030 | 235 | -85 |
| 25 | -32 | -52 | 359 | 24 | 2320 | 91 | -47 | 7.0 | 17 | 725 | 273 | -53 |
| 26 | -38 | -29 | 171 | -33 | 1800 | 69 | 23 | -42 | 13 | 498 | 242 | -41 |
| 27 | -2.8 | -14 | 103 | -3.6 | 1430 | 36 | 30 | -97 | -1.8 | 311 | 130 | -76 |
| 28 | -40 | 72 | 72 | -25 | 1050 | -50 | -29 | -91 | -37 | 165 | 53 | -80 |
| 29 | -52 | 41 | 60 | -46 | 75 | -100 | -18 | -84 | -72 | 88 | -9.6 | -76 |
| 30 | -41 | 11 | -.77 | -51 | --- | 140 | 240 | -91 | -87 | 39 | 15 | -58 |
| 31 | -36 | --- | -19 | -46 | --- | 691 | --- | -104 | --- | 20 | 20 | --- |
| TOTAL | -1347.8 | -290.3 | 4676.53 | 2075.1 | 39675 | 10773 | 17193.6 | 34.0 | -167.8 | 12559.5 | 9886.8 | 21852.1 |
| MEAN | -43.5 | -9.68 | 151 | 66.9 | 1368 | 348 | 573 | 1.10 | -5.59 | 405 | 319 | 728 |
| MAX | -2.8 | 85 | 893 | 442 | 4730 | 1670 | 3230 | 371 | 379 | 2040 | 1730 | 4660 |
| MIN | -72 | -67 | -105 | -56 | -221 | -115 | -101 | -104 | -145 | -81 | -39 | -85 |
| AC-FT | -2670 | -576 | 9280 | 4120 | 78700 | 21370 | 34100 | 67 | -333 | 24910 | 19610 | 43340 |

CAL YR 1987 TOTAL 59904.33 MEAN 164 MAX 2610 MIN -135 AC-FT 118800
WTR YR 1988 TOTAL 116919.73 MEAN 319 MAX 4730 MIN -221 AC-FT 231900

## 08012300 BAYOU QUEUE DE TORTUE AT RICEVILLE, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.84 | 3.84 | 4.41 | 4.89 | 4.30 | 5.05 | 6.56 | 5.40 | 4.04 | 4.19 | 4.55 | 5.12 |
| 2 | 3.93 | 3.79 | 4.37 | 5.06 | 5.24 | 5.00 | 7.52 | 5.33 | 3.95 | 4.16 | 4.51 | 5.30 |
| 3 | 3.71 | 3.75 | 4.43 | 5.07 | 5.86 | 5.76 | 8.44 | 5.21 | 3.98 | 4.16 | 4.51 | 6.12 |
| 4 | 3.77 | 3.71 | 4.35 | 4.85 | 5.90 | 6.23 | 8.62 | 5.01 | 4.39 | 4.20 | 4.59 | 7.83 |
| 5 | 3.84 | 3.63 | 4.33 | 4.58 | 5.99 | 6.06 | 8.33 | 4.72 | 5.12 | 4.31 | 4.57 | 8.90 |
| 6 | 3.79 | 3.59 | 4.38 | 4.40 | 6.67 | 5.69 | 7.78 | 4.51 | 5.46 | 4.37 | 4.59 | 9.00 |
| 7 | 3.71 | 3.75 | 5.10 | 4.83 | 6.99 | 5.34 | 7.16 | 4.45 | 5.29 | 4.49 | 4.79 | 8.56 |
| 8 | 3.76 | 3.81 | 5.84 | 5.69 | 6.80 | 5.37 | 6.63 | 4.49 | 4.96 | 4.50 | 4.78 | 7.90 |
| 9 | 3.83 | 4.16 | 5.85 | 5.83 | 6.48 | 6.54 | 6.22 | 4.52 | 4.63 | 4.53 | 4.66 | 7.22 |
| 10 | 3.78 | 4.04 | 5.57 | 5.55 | 6.14 | 7.24 | 5.84 | 4.32 | 4.31 | 4.92 | 4.87 | 6.59 |
| 11 | 3.70 | 3.79 | 5.27 | 5.19 | 5.84 | 7.04 | 5.47 | 4.20 | 4.15 | 5.58 | 5.85 | 6.11 |
| 12 | 3.55 | 3.86 | 5.02 | 4.89 | 5.55 | 6.60 | 5.12 | 4.15 | 4.17 | 5.70 | 6.67 | 5.72 |
| 13 | 3.62 | 3.88 | 4.80 | 4.72 | 5.36 | 6.18 | 4.90 | 4.19 | 4.14 | 5.50 | 6.88 | 5.48 |
| 14 | 3.71 | 3.90 | 4.77 | 4.60 | 5.21 | 5.80 | 4.83 | 4.14 | 4.14 | 5.21 | 6.64 | 5.25 |
| 15 | 3.74 | 3.98 | 4.77 | 4.52 | 5.36 | 5.49 | 4.75 | 4.11 | 4.08 | 4.93 | 6.30 | 5.06 |
| 16 | 3.72 | 4.36 | 4.46 | 4.50 | 5.43 | 5.26 | 4.65 | 4.05 | 4.05 | 4.72 | 5.88 | 4.98 |
| 17 | 3.69 | 4.85 | 4.34 | 4.55 | 5.34 | 5.16 | 4.69 | 3.98 | 4.02 | 4.63 | 5.46 | 5.04 |
| 18 | 3.68 | 4.86 | 4.36 | 4.52 | 6.38 | 5.81 | 4.82 | 3.89 | 3.99 | 5.27 | 5.17 | 5.06 |
| 19 | 3.68 | 4.64 | 4.44 | 4.61 | 8.75 | 6.30 | 4.73 | 3.89 | 4.03 | 6.80 | 5.31 | 5.05 |
| 20 | 3.64 | 4.38 | 4.48 | 4.62 | 9.41 | 6.14 | 4.50 | 3.88 | 4.04 | 7.34 | 5.29 | 4.97 |
| 21 | 3.24 | 4.25 | 4.87 | 4.49 | 9.34 | 5.74 | 4.52 | 4.20 | 4.02 | 7.14 | 5.11 | 4.87 |
| 22 | 3.52 | 4.28 | 6.02 | 4.40 | 8.84 | 5.36 | 4.52 | 4.88 | 4.04 | 6.91 | 5.31 | 4.81 |
| 23 | 3.61 | 4.30 | 6.38 | 4.38 | 8.13 | 5.05 | 4.51 | 4.96 | 4.35 | 6.79 | 5.39 | 4.75 |
| 24 | 3.66 | 4.25 | 6.15 | 4.34 | 7.37 | 5.06 | 4.46 | 4.64 | 4.32 | 6.50 | 5.30 | 4.72 |
| 25 | 3.66 | 4.28 | 5.84 | 4.18 | 6.71 | 5.23 | 4.42 | 4.31 | 4.49 | 6.09 | 5.37 | 4.63 |
| 26 | 3.77 | 4.25 | 5.55 | 4.12 | 6.20 | 5.10 | 4.33 | 4.12 | 4.51 | 5.65 | 5.39 | 4.49 |
| 27 | 3.78 | 4.26 | 5.30 | 4.09 | 5.81 | 4.89 | 4.19 | 4.15 | 4.39 | 5.28 | 5.14 | 4.46 |
| 28 | 3.81 | 4.53 | 5.04 | 4.07 | 5.50 | 4.77 | 4.09 | 4.19 | 4.27 | 5.01 | 4.87 | 4.47 |
| 29 | 3.90 | 4.50 | 4.75 | 4.09 | 5.24 | 4.86 | 4.28 | 4.21 | 4.25 | 4.84 | 4.66 | 4.45 |
| 30 | 3.91 | 4.48 | 4.51 | 4.12 | --- | 5.06 | 5.05 | 4.21 | 4.25 | 4.73 | 4.64 | 4.43 |
| 31 | 3.89 | --- | 4.59 | 4.14 | --- | 5.85 | --- | 4.12 | --- | 4.65 | 4.66 | --- |
| MAX | 3.93 | 4.86 | 6.38 | 5.83 | 9.41 | 7.24 | 8.62 | 5.40 | 5.46 | 7.34 | 6.88 | 9.00 |
| MIN | 3.24 | 3.59 | 4.33 | 4.07 | 4.30 | 4.77 | 4.09 | 3.88 | 3.95 | 4.16 | 4.51 | 4.43 |

## 08012400 MERMENTAU RIVER AT LAKE ARTHUR, LA

LOCATION.--Lat 30°04'18", long 92°38'55", T.11 S., R.3 W., sec.13, Vermilion Parish, Hydrologic Unit 08080202, on southwest side of Citco Wharf, 1.1 mi upstream from State Highway 14 bridge, 3.1 mi downstream from Bayou Queue de Tortue.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1984 to current year (gage height only). Records collected at same site intermittently, 1952-55. Daily stages Mar. 30, 1956 to Sept. 30, 1984 are in reports of the U.S. Army Corps of Engineers, New Orleans district.

GAGE.--Water-stage recorder. Datum of gage is 1.78 ft below National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1987, at datum 3.56 ft below National Geodetic Vertical Datum of 1929

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 8.20 ft Nov. 3, 1985; minimum, 1.18 ft Aug. 15, 1985.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height, 7.50 ft mean low Gulf, May 20, 1980; minimum, -0.17 ft, mean low Gulf, June 17, 1963, from reports of the U.S. Army Corps of Engineers, New Orleans district.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 4.90 ft Apr. 5; minimum, 1.49 ft Oct. 21.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.26 | 2.20 | 2.70 | 2.70 | 2.61 | 3.21 | 3.44 | 2.92 | 2.44 | 2.51 | 2.85 | 2.96 |
| 2 | 2.32 | 2.16 | 2.72 | 2.58 | 2.74 | 3.31 | 4.07 | 3.00 | 2.40 | 2.48 | 2.84 | 2.98 |
| 3 | 2.07 | 2.12 | 2.79 | 2.73 | 2.92 | 3.48 | 4.46 | 3.02 | 2.37 | 2.46 | 2.81 | 3.23 |
| 4 | 2.17 | 2.08 | 2.67 | 2.67 | 3.25 | 3.34 | 4.72 | 2.85 | 2.47 | 2.46 | 2.81 | 3.78 |
| 5 | 2.23 | 1.99 | 2.72 | 2.68 | 3.62 | 3.27 | 4.85 | 2.75 | 2.67 | 2.45 | 2.80 | 4.01 |
| 6 | 2.16 | 2.01 | 2.77 | 2.67 | 4.09 | 3.24 | 4.69 | 2.77 | 2.69 | 2.51 | 2.64 | 4.04 |
| 7 | 2.11 | 2.14 | 2.94 | 2.81 | 4.38 | 3.19 | 4.39 | 2.78 | 2.70 | 2.57 | 2.85 | 3.97 |
| 8 | 2.17 | 2.19 | 3.05 | 2.88 | 4.38 | 3.42 | 4.10 | 2.93 | 2.69 | 2.61 | 2.79 | 3.83 |
| 9 | 2.21 | 2.37 | 3.03 | 2.88 | 4.17 | 3.65 | 3.85 | 2.75 | 2.73 | 2.69 | 2.66 | 3.60 |
| 10 | 2.15 | 2.03 | 3.03 | 2.81 | 3.92 | 3.76 | 3.64 | 2.64 | 2.54 | 2.99 | 2.87 | 3.51 |
| 11 | 2.06 | 2.06 | 3.11 | 2.85 | 3.68 | 3.95 | 3.26 | 2.59 | 2.51 | 3.05 | 3.19 | 3.53 |
| 12 | 1.92 | 2.22 | 3.00 | 2.89 | 3.52 | 4.01 | 3.12 | 2.51 | 2.54 | 3.12 | 3.30 | 3.47 |
| 13 | 2.00 | 2.23 | 3.00 | 2.67 | 3.48 | 3.81 | 3.17 | 2.53 | 2.54 | 3.10 | 3.26 | 3.40 |
| 14 | 2.09 | 2.27 | 3.16 | 2.66 | 3.44 | 3.61 | 3.15 | 2.46 | 2.54 | 3.03 | 3.25 | 3.30 |
| 15 | 2.13 | 2.41 | 2.82 | 2.75 | 3.37 | 3.53 | 3.07 | 2.44 | 2.48 | 2.97 | 3.21 | 3.24 |
| 16 | 2.10 | 2.75 | 2.69 | 2.81 | 3.39 | 3.46 | 3.00 | 2.40 | 2.43 | 2.87 | 3.05 | 3.32 |
| 17 | 2.06 | 2.73 | 2.70 | 2.84 | 3.40 | 3.48 | 3.11 | 2.31 | 2.38 | 2.78 | 3.01 | 3.42 |
| 18 | 2.05 | 2.67 | 2.73 | 2.84 | 3.90 | 3.54 | 3.13 | 2.31 | 2.33 | 2.92 | 3.02 | 3.42 |
| 19 | 2.07 | 2.60 | 2.84 | 2.93 | 4.40 | 3.49 | 2.81 | 2.31 | 2.35 | 3.13 | 3.01 | 3.41 |
| 20 | 2.00 | 2.52 | 2.76 | 2.81 | 4.50 | 3.45 | 2.83 | 2.40 | 2.36 | 3.22 | 2.98 | 3.30 |
| 21 | 1.64 | 2.58 | 2.85 | 2.69 | 4.55 | 3.35 | 2.89 | 2.67 | 2.34 | 3.20 | 2.91 | 3.24 |
| 22 | 1.97 | 2.65 | 3.11 | 2.71 | 4.54 | 3.25 | 2.95 | 2.76 | 2.32 | 3.15 | 2.91 | 3.17 |
| 23 | 2.00 | 2.64 | 3.24 | 2.71 | 4.30 | 3.21 | 2.84 | 2.72 | 2.34 | 3.07 | 2.93 | 3.13 |
| 24 | 2.06 | 2.62 | 3.32 | 2.63 | 3.94 | 3.29 | 2.73 | 2.60 | 2.43 | 2.97 | 2.92 | 3.09 |
| 25 | 2.04 | 2.60 | 3.39 | 2.43 | 3.84 | 3.34 | 2.71 | 2.48 | 2.65 | 2.89 | 2.98 | 2.96 |
| 26 | 2.15 | 2.59 | 3.36 | 2.46 | 3.73 | 3.13 | 2.60 | 2.52 | 2.60 | 2.79 | 3.00 | 2.86 |
| 27 | 2.09 | 2.55 | 3.22 | 2.41 | 3.61 | 3.02 | 2.43 | 2.60 | 2.56 | 2.81 | 2.99 | 2.85 |
| 28 | 2.18 | 2.60 | 2.99 | 2.41 | 3.45 | 3.10 | 2.46 | 2.61 | 2.55 | 2.86 | 2.96 | 2.86 |
| 29 | 2.28 | 2.70 | 2.72 | 2.45 | 3.33 | 3.22 | 2.66 | 2.61 | 2.56 | 2.87 | 2.93 | 2.83 |
| 30 | 2.28 | 2.75 | 2.80 | 2.48 | --- | 3.00 | 2.84 | 2.57 | 2.56 | 2.86 | 2.88 | 2.80 |
| 31 | 2.26 | --- | 2.87 | 2.50 | --- | 3.26 | --- | 2.52 | --- | 2.84 | 2.88 | --- |
| MAX | 2.32 | 2.75 | 3.39 | 2.93 | 4.55 | 4.01 | 4.85 | 3.02 | 2.73 | 3.22 | 3.30 | 4.04 |
| MIN | 1.64 | 1.99 | 2.67 | 2.41 | 2.61 | 3.00 | 2.43 | 2.31 | 2.32 | 2.45 | 2.66 | 2.80 |

## 08012470 BAYOU LACASSINE NEAR LAKE ARTHUR, LA

LOCATION.--Lat 30°04'12", long 92°52'43", in SE 1/4 SE 1/4 sec.21, T.11 S., R.5 W., Jefferson Davis Parish, Hydrologic Unit 08080202, at bridge on State Highway 14, 12.9 mi west of Lake Arthur, and 16.8 mi upstream from Intracoastal Waterway.

DRAINAGE AREA.--299 mi².

PERIOD OF RECORD.--Annual peaks, water years 1969-74, October 1974 to September 1985 (gage height only), October 1985 to current year.

GAGE.--Water-stage recorder and electromagnetic flowmeter. Datum of gage is 7.00 ft below National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Highways); prior to Oct. 1, 1974, nonrecording gage at same site at datum 0.85 ft lower.

REMARKS.--Records poor. Discharge affected by wind and tide at all stages. No gage-height record, Dec. 7-8. No velocity record, Oct. 1-13, 15, June 5-14, 18-22, July 3-4, and July 28 to Aug. 17.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 12.72 ft May 19, 1980; minimum gage height, 7.25 ft Mar. 18, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge (recorded), 5,600 ft³/s Apr. 3; maximum gage height, 10.05 ft Apr. 5; minimum daily discharge, -714 ft³/s Dec. 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | --- | 2.7 | 174 | 641 | 316 | 397 | 1140 | 1270 | -111 | -233 | --- | 104 |
| 2 | --- | -72 | 81 | 461 | 1270 | -132 | 3000 | 599 | -180 | -209 | --- | 264 |
| 3 | --- | -220 | 149 | 252 | 1370 | 1730 | 4320 | 519 | -64 | --- | --- | 465 |
| 4 | --- | -290 | 154 | 35 | 1770 | 2020 | 4170 | 576 | 884 | --- | --- | 2550 |
| 5 | --- | -320 | -218 | -139 | 1400 | 1400 | 3570 | -35 | --- | -47 | --- | 3260 |
| 6 | --- | -345 | -131 | -417 | 1910 | 979 | 3250 | -16 | --- | -74 | --- | 3030 |
| 7 | --- | -99 | --- | 1280 | 1640 | 256 | 2280 | -4.6 | --- | 65 | --- | 2450 |
| 8 | --- | -220 | --- | 2040 | 1200 | 1040 | 1460 | -236 | --- | 62 | --- | 1870 |
| 9 | --- | 142 | 2530 | 1870 | 816 | 3750 | 993 | 526 | --- | 53 | --- | 1140 |
| 10 | --- | 109 | 2080 | 1350 | 508 | 4630 | 1130 | 333 | --- | 530 | --- | 730 |
| 11 | --- | -268 | 1240 | 646 | 1110 | 3920 | 1280 | 98 | --- | 1010 | --- | 129 |
| 12 | --- | -178 | 950 | 113 | 921 | 3580 | 299 | 171 | --- | 912 | --- | 220 |
| 13 | --- | -129 | -101 | 734 | 598 | 2850 | -53 | 114 | --- | 589 | --- | 383 |
| 14 | 179 | -114 | 195 | 335 | 438 | 2270 | 239 | 133 | --- | 294 | --- | 305 |
| 15 | --- | -550 | 1180 | 280 | 1260 | 1010 | 397 | 93 | 88 | 215 | --- | -139 |
| 16 | 19 | 275 | 11 | 31 | 818 | 343 | 225 | -64 | -130 | 224 | --- | -284 |
| 17 | -16 | 1730 | -176 | 788 | 472 | -360 | -186 | -156 | -322 | 220 | --- | -56 |
| 18 | -43 | 1320 | -292 | 412 | 1190 | 2310 | 571 | -251 | --- | 358 | --- | 295 |
| 19 | -3.2 | 847 | -143 | 457 | 3650 | 2160 | 509 | -207 | --- | 409 | 395 | 433 |
| 20 | -26 | 209 | -659 | 783 | 3630 | 1430 | 17 | -214 | --- | 434 | 496 | 447 |
| 21 | -478 | -115 | -714 | 367 | 3190 | 991 | 112 | 490 | --- | 470 | 178 | 251 |
| 22 | -159 | -293 | 1550 | 134 | 1920 | 365 | 189 | 1340 | --- | 471 | 76 | 197 |
| 23 | -125 | 139 | 1270 | 195 | 1790 | 299 | 349 | 1700 | -144 | 541 | 357 | 229 |
| 24 | -106 | -8.8 | 916 | 291 | 1450 | 36 | 82 | 1310 | -191 | 404 | 484 | 406 |
| 25 | -38 | 466 | 419 | 490 | 889 | 562 | 366 | 303 | 119 | 385 | 842 | 311 |
| 26 | 425 | 1200 | 471 | 98 | 743 | 533 | 137 | -267 | 369 | 365 | 740 | 25 |
| 27 | 765 | 983 | 1020 | 81 | 613 | 124 | 121 | -202 | 466 | --- | 362 | -55 |
| 28 | 89 | 1690 | 757 | 200 | 635 | 86 | -176 | -187 | 210 | --- | 117 | 175 |
| 29 | 17 | 1360 | 293 | 166 | 562 | 195 | -429 | -290 | -191 | --- | 60 | 166 |
| 30 | 49 | 1030 | -277 | 127 | --- | 1070 | 1210 | -183 | -158 | --- | 74 | 292 |
| 31 | 73 | --- | 160 | 268 | --- | 1030 | --- | -98 | --- | --- | -122 | --- |
| TOTAL | --- | 8280.9 | --- | 14369 | 38079 | 40874 | 30572 | 7164.2 | --- | --- | --- | 19593 |
| MEAN | --- | 276 | --- | 464 | 1313 | 1319 | 1019 | 231 | --- | --- | --- | 653 |
| MAX | --- | 1730 | --- | 2040 | 3650 | 4630 | 4320 | 1700 | --- | --- | --- | 3260 |
| MIN | -478 | -550 | -714 | -417 | 316 | -360 | -429 | -290 | -322 | -233 | -122 | -284 |
| AC-FT | --- | 16430 | --- | 28500 | 75530 | 81070 | 60640 | 14210 | --- | --- | --- | 38860 |

### 08012470 BAYOU LACASSINE NEAR LAKE ARTHUR, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.71 | 7.90 | 8.35 | 8.47 | 8.36 | 8.94 | 9.18 | 8.71 | 8.13 | 8.14 | 8.50 | 8.76 |
| 2 | 7.75 | 7.86 | 8.41 | 8.35 | 8.45 | 9.06 | 9.55 | 8.72 | 8.03 | 8.09 | 8.50 | 8.78 |
| 3 | 7.77 | 7.84 | 8.45 | 8.43 | 8.51 | 9.22 | 9.89 | 8.68 | 8.04 | 8.13 | 8.49 | 9.03 |
| 4 | 7.87 | 7.74 | 8.39 | 8.37 | 8.52 | 9.12 | 10.00 | 8.50 | 8.20 | 8.20 | 8.48 | 9.53 |
| 5 | 7.90 | 7.77 | 8.51 | 8.41 | 8.59 | 9.04 | 10.00 | 8.42 | 8.41 | 8.18 | 8.42 | 9.72 |
| 6 | 7.84 | 7.72 | 8.59 | 8.47 | 8.86 | 8.93 | 9.81 | 8.40 | 8.50 | 8.22 | 8.48 | 9.74 |
| 7 | 7.78 | 7.86 | --- | 8.59 | 9.11 | 8.90 | 9.64 | 8.46 | 8.43 | 8.29 | 8.45 | 9.64 |
| 8 | 7.87 | 7.98 | --- | 8.69 | 9.20 | 9.21 | 9.50 | 8.61 | 8.34 | 8.32 | 8.48 | 9.51 |
| 9 | 7.93 | 8.01 | 8.96 | 8.72 | 9.21 | 9.51 | 9.35 | 8.50 | 8.34 | 8.39 | 8.45 | 9.35 |
| 10 | 7.88 | 7.64 | 8.90 | 8.60 | 9.21 | 9.72 | 9.15 | 8.33 | 8.22 | 8.67 | 8.30 | 9.21 |
| 11 | 7.76 | 7.73 | 8.84 | 8.58 | 9.11 | 9.84 | 8.71 | 8.28 | 8.19 | 8.76 | 8.45 | 9.25 |
| 12 | 7.61 | 7.90 | 8.71 | 8.62 | 9.03 | 9.77 | 8.65 | 8.18 | 8.22 | 8.81 | 8.90 | 9.23 |
| 13 | 7.69 | 7.94 | 8.77 | 8.42 | 9.06 | 9.44 | 8.80 | 8.21 | 8.23 | 8.76 | 8.48 | 9.17 |
| 14 | 7.78 | 8.04 | 8.88 | 8.42 | 9.07 | 9.11 | 8.80 | 8.14 | 8.25 | 8.69 | 8.97 | 9.07 |
| 15 | 7.86 | 8.25 | 8.51 | 8.47 | 8.94 | 9.05 | 8.76 | 8.10 | 8.16 | 8.62 | 8.92 | 9.06 |
| 16 | 7.80 | 8.54 | 8.39 | 8.60 | 9.05 | 9.06 | 8.69 | 8.04 | 8.08 | 8.53 | 8.85 | 9.15 |
| 17 | 7.74 | 8.48 | 8.44 | 8.59 | 9.14 | 9.20 | 8.85 | 7.95 | 8.00 | 8.43 | 8.68 | 9.22 |
| 18 | 7.73 | 8.49 | 8.50 | 8.58 | 9.56 | 9.18 | 8.78 | 7.93 | 7.96 | 8.54 | 8.68 | 9.20 |
| 19 | 7.75 | 8.33 | 8.61 | 8.66 | 9.87 | 9.09 | 8.48 | 7.95 | 7.98 | 8.67 | 8.67 | 9.14 |
| 20 | 7.67 | 8.21 | 8.50 | 8.50 | 9.96 | 9.05 | 8.53 | 7.99 | 8.04 | 8.73 | 8.62 | 9.05 |
| 21 | 7.44 | 8.30 | 8.56 | 8.36 | 9.92 | 8.95 | 8.56 | 8.19 | 8.03 | 8.73 | 8.57 | 8.98 |
| 22 | 7.70 | 8.42 | 8.79 | 8.40 | 9.91 | 8.90 | 8.60 | 8.40 | 8.00 | 8.72 | 8.58 | 8.91 |
| 23 | 7.75 | 8.40 | 8.96 | 8.38 | 9.76 | 8.91 | 8.52 | 8.39 | 8.03 | 8.66 | 8.59 | 8.85 |
| 24 | 7.81 | 8.38 | 9.06 | 8.33 | 9.52 | 8.99 | 8.41 | 8.31 | 8.18 | 8.57 | 8.58 | 8.80 |
| 25 | 7.74 | 8.40 | 9.11 | 8.03 | 9.45 | 8.99 | 8.40 | 8.16 | 8.36 | 8.51 | 8.67 | 8.68 |
| 26 | 7.91 | 8.37 | 9.07 | 8.10 | 9.36 | 8.81 | 8.25 | 8.17 | 8.28 | 8.43 | 8.66 | 8.60 |
| 27 | 7.87 | 8.30 | 8.87 | 8.11 | 9.26 | 8.76 | 8.14 | 8.24 | 8.20 | 8.53 | 8.65 | 8.59 |
| 28 | 7.87 | 8.34 | 8.64 | 8.13 | 9.12 | 8.84 | 8.19 | 8.29 | 8.17 | 8.51 | 8.64 | 8.60 |
| 29 | 8.00 | 8.45 | 8.42 | 8.22 | 9.02 | 8.94 | 8.45 | 8.33 | 8.18 | 8.52 | 8.64 | 8.58 |
| 30 | 8.01 | 8.42 | 8.55 | 8.26 | --- | 8.74 | 8.69 | 8.34 | 8.18 | 8.50 | 8.66 | 8.57 |
| 31 | 7.98 | --- | 8.61 | 8.25 | --- | 8.97 | --- | 8.27 | --- | 8.51 | 8.65 | --- |
| MAX | 8.01 | 8.54 | 9.11 | 8.72 | 9.96 | 9.84 | 10.00 | 8.72 | 8.50 | 8.81 | 8.97 | 9.74 |
| MIN | 7.44 | 7.64 | 8.35 | 8.03 | 8.36 | 8.74 | 8.14 | 7.93 | 7.96 | 8.09 | 8.30 | 8.57 |

## 08013000 CALCASIEU RIVER NEAR GLENMORA, LA

LOCATION.--Lat 30°59'45", long 92°40'25", in SE 1/4 SE 1/4 sec.4, T.1 S., R.3 W., Louisiana meridian, Rapides Parish, Hydrologic Unit 08080203, on right bank on downstream side of bridge on State Highway 113, 1.0 mi upstream from Prairie Branch, and 4.6 mi northwest of Glenmora.

DRAINAGE AREA.--499 mi².

PERIOD OF RECORD.--August 1943 to current year.

REVISED RECORDS.--WSP 1118: 1944-47.

GAGE.--Water-stage recorder. Datum of gage is 110.77 ft above National Geodetic Vertical Datum of 1929. Prior to Nov. 19, 1949, nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharges. Records good. Several measurements of water temperature were made during the year. Gage-height telemetry at station.

AVERAGE DISCHARGE.--45 years, 743 ft³/s, 20.21 in/yr, 538,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 59,900 ft³/s May 19, 1953, gage height, 21.55 ft; minimum, 15 ft³/s Sept. 27, 28, Oct. 7-9, 1954, Oct. 18, 1956; minimum gage height, 3.86 ft Oct. 18, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 4,000 ft³/s and maximum (*):

| Date | Time | Discharge (ft³/s) | Gage height (ft) | Date | Time | Discharge (ft³/s) | Gage height (ft) |
|---|---|---|---|---|---|---|---|
| Nov. 18 | 0630 | *15,900 | *16.23 | Mar. 9 | 0300 | 6,400 | 14.38 |
| Dec. 25 | 1030 | 5,250 | 14.07 | Apr. 5 | 0730 | 5,090 | 14.02 |
| Dec. 31 | 0130 | 8,200 | 14.78 | | | | |

Minimum discharge, 24 ft³/s Oct. 22, 23, 24, 25, gage height, 4.74 ft.

### DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 36 | 45 | 1500 | 5880 | 352 | 318 | 2980 | 82 | 44 | 50 | 41 | 52 |
| 2 | 35 | 43 | 1660 | 4710 | 544 | 296 | 3250 | 79 | 42 | 45 | 40 | 52 |
| 3 | 33 | 38 | 1770 | 3860 | 506 | 754 | 3740 | 80 | 42 | 44 | 40 | 52 |
| 4 | 32 | 35 | 1590 | 3150 | 512 | 1450 | 4540 | 79 | 42 | 42 | 39 | 62 |
| 5 | 31 | 32 | 1070 | 2560 | 561 | 1920 | 5000 | 77 | 42 | 57 | 38 | 64 |
| 6 | 30 | 29 | 641 | 2200 | 660 | 2740 | 4430 | 73 | 40 | 134 | 37 | 73 |
| 7 | 29 | 28 | 1090 | 2210 | 646 | 3570 | 3610 | 70 | 42 | 352 | 36 | 81 |
| 8 | 28 | 29 | 1860 | 2120 | 648 | 4220 | 2930 | 67 | 43 | 485 | 35 | 67 |
| 9 | 28 | 78 | 2100 | 1850 | 641 | 5820 | 2210 | 65 | 42 | 511 | 36 | 60 |
| 10 | 28 | 234 | 2260 | 1750 | 596 | 4340 | 1320 | 64 | 41 | 443 | 40 | 53 |
| 11 | 27 | 126 | 2420 | 1770 | 534 | 3650 | 681 | 62 | 39 | 269 | 69 | 50 |
| 12 | 27 | 83 | 2590 | 1830 | 476 | 3400 | 426 | 60 | 38 | 167 | 271 | 48 |
| 13 | 26 | 65 | 2820 | 1910 | 425 | 3290 | 317 | 59 | 37 | 131 | 434 | 46 |
| 14 | 26 | 52 | 2720 | 1730 | 391 | 3070 | 255 | 57 | 36 | 106 | 527 | 44 |
| 15 | 26 | 53 | 2190 | 1260 | 380 | 2760 | 217 | 56 | 35 | 83 | 413 | 44 |
| 16 | 25 | 4770 | 1360 | 902 | 458 | 2190 | 191 | 54 | 34 | 106 | 203 | 44 |
| 17 | 25 | 9990 | 749 | 754 | 612 | 1340 | 171 | 53 | 34 | 102 | 132 | 44 |
| 18 | 25 | 14600 | 479 | 750 | 1100 | 1230 | 157 | 51 | 35 | 80 | 101 | 43 |
| 19 | 25 | 10000 | 377 | 862 | 1680 | 1620 | 146 | 50 | 35 | 97 | 98 | 42 |
| 20 | 25 | 7270 | 654 | 1230 | 1900 | 1930 | 142 | 48 | 40 | 298 | 85 | 42 |
| 21 | 25 | 5500 | 1310 | 1970 | 2030 | 2300 | 146 | 50 | 57 | 232 | 74 | 41 |
| 22 | 24 | 4380 | 1930 | 2610 | 2150 | 2770 | 141 | 50 | 67 | 190 | 78 | 41 |
| 23 | 24 | 3580 | 2530 | 3020 | 2300 | 3190 | 129 | 49 | 77 | 127 | 195 | 41 |
| 24 | 24 | 2820 | 3780 | 2870 | 2410 | 3180 | 119 | 48 | 61 | 89 | 169 | 40 |
| 25 | 24 | 2000 | 5130 | 2620 | 2320 | 2620 | 110 | 53 | 60 | 69 | 121 | 40 |
| 26 | 27 | 1180 | 4880 | 2340 | 1810 | 1760 | 103 | 57 | 59 | 60 | 92 | 40 |
| 27 | 29 | 842 | 4570 | 1710 | 1020 | 1050 | 97 | 55 | 65 | 53 | 76 | 39 |
| 28 | 31 | 1130 | 4190 | 980 | 552 | 790 | 91 | 52 | 79 | 49 | 67 | 38 |
| 29 | 35 | 1260 | 4010 | 572 | 386 | 697 | 86 | 50 | 68 | 46 | 61 | 38 |
| 30 | 46 | 1370 | 6420 | 410 | --- | 1720 | 84 | 48 | 59 | 44 | 56 | 40 |
| 31 | 46 | --- | 7600 | 342 | --- | 3320 | --- | 46 | --- | 43 | 52 | --- |
| TOTAL | 902 | 71662 | 78250 | 62732 | 28600 | 73305 | 37819 | 1844 | 1435 | 4604 | 3756 | 1461 |
| MEAN | 29.1 | 2389 | 2524 | 2024 | 986 | 2365 | 1261 | 59.5 | 47.6 | 149 | 121 | 48.7 |
| MAX | 46 | 14600 | 7600 | 5880 | 2410 | 5820 | 5000 | 82 | 79 | 511 | 527 | 81 |
| MIN | 24 | 28 | 377 | 342 | 352 | 296 | 84 | 46 | 34 | 42 | 35 | 38 |
| AC-FT | 1790 | 142100 | 155200 | 124400 | 56730 | 145400 | 75010 | 3660 | 2850 | 9130 | 7450 | 2900 |
| CFSM | .06 | 4.79 | 5.06 | 4.06 | 1.98 | 4.74 | 2.53 | .12 | .10 | .30 | .24 | .10 |
| IN. | .07 | 5.34 | 5.83 | 4.68 | 2.13 | 5.46 | 2.82 | .14 | .11 | .34 | .28 | .11 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| CAL YR 1987 | TOTAL 370409 | MEAN 1015 | MAX 14600 | MIN 24 | AC-FT 734700 | CFSM 2.03 | IN. 27.61 |
| WTR YR 1988 | TOTAL 366370 | MEAN 1001 | MAX 14600 | MIN 24 | AC-FT 726700 | CFSM 2.01 | IN. 27.31 |

## 08013000 CALCASIEU RIVER NEAR GLENMORA, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.02 | 5.22 | 12.07 | 14.24 | 8.89 | 8.66 | 13.22 | 6.00 | 5.20 | 5.32 | 5.14 | 5.23 |
| 2 | 4.98 | 5.17 | 12.24 | 13.90 | 10.03 | 8.49 | 13.35 | 5.94 | 5.17 | 5.23 | 5.12 | 5.22 |
| 3 | 4.95 | 5.06 | 12.35 | 13.60 | 9.85 | 10.60 | 13.55 | 5.97 | 5.15 | 5.21 | 5.11 | 5.23 |
| 4 | 4.92 | 4.98 | 12.16 | 13.30 | 9.88 | 12.00 | 13.85 | 5.95 | 5.16 | 5.16 | 5.09 | 5.43 |
| 5 | 4.89 | 4.91 | 11.45 | 12.99 | 10.10 | 12.49 | 13.99 | 5.90 | 5.15 | 5.49 | 5.06 | 5.48 |
| 6 | 4.87 | 4.86 | 10.40 | 12.73 | 10.48 | 13.08 | 13.81 | 5.83 | 5.12 | 6.77 | 5.03 | 5.67 |
| 7 | 4.85 | 4.84 | 11.41 | 12.74 | 10.43 | 13.49 | 13.50 | 5.77 | 5.16 | 8.87 | 5.02 | 5.85 |
| 8 | 4.84 | 4.85 | 12.43 | 12.66 | 10.44 | 13.71 | 13.19 | 5.71 | 5.19 | 9.73 | 5.00 | 5.55 |
| 9 | 4.82 | 5.75 | 12.65 | 12.43 | 10.41 | 14.23 | 12.73 | 5.66 | 5.15 | 9.88 | 5.01 | 5.38 |
| 10 | 4.81 | 7.96 | 12.78 | 12.33 | 10.25 | 13.78 | 11.81 | 5.62 | 5.13 | 9.48 | 5.10 | 5.25 |
| 11 | 4.81 | 6.71 | 12.90 | 12.35 | 9.99 | 13.52 | 10.52 | 5.58 | 5.09 | 8.26 | 5.71 | 5.19 |
| 12 | 4.80 | 6.02 | 13.02 | 12.41 | 9.68 | 13.42 | 9.38 | 5.55 | 5.06 | 7.25 | 8.22 | 5.14 |
| 13 | 4.79 | 5.64 | 13.14 | 12.48 | 9.38 | 13.37 | 8.65 | 5.52 | 5.03 | 6.80 | 9.43 | 5.09 |
| 14 | 4.78 | 5.38 | 13.09 | 12.31 | 9.17 | 13.27 | 8.16 | 5.48 | 5.01 | 6.43 | 9.96 | 5.06 |
| 15 | 4.77 | 5.38 | 12.72 | 11.75 | 9.09 | 13.11 | 7.81 | 5.45 | 4.99 | 6.02 | 9.28 | 5.06 |
| 16 | 4.77 | 12.72 | 11.86 | 11.16 | 9.58 | 12.72 | 7.53 | 5.42 | 4.97 | 6.33 | 7.61 | 5.05 |
| 17 | 4.76 | 15.13 | 10.74 | 10.80 | 10.30 | 11.84 | 7.31 | 5.39 | 4.96 | 6.34 | 6.72 | 5.05 |
| 18 | 4.77 | 16.00 | 9.69 | 10.78 | 11.43 | 11.71 | 7.14 | 5.36 | 4.98 | 5.96 | 6.22 | 5.03 |
| 19 | 4.76 | 15.14 | 9.07 | 11.08 | 12.26 | 12.20 | 7.00 | 5.32 | 4.98 | 6.23 | 6.18 | 5.01 |
| 20 | 4.75 | 14.58 | 10.35 | 11.69 | 12.47 | 12.50 | 6.94 | 5.29 | 5.11 | 8.49 | 5.92 | 5.00 |
| 21 | 4.75 | 14.14 | 11.81 | 12.53 | 12.59 | 12.81 | 7.00 | 5.32 | 5.47 | 7.94 | 5.70 | 4.99 |
| 22 | 4.74 | 13.79 | 12.50 | 13.03 | 12.69 | 13.11 | 6.94 | 5.33 | 5.70 | 7.52 | 5.77 | 4.99 |
| 23 | 4.74 | 13.49 | 12.97 | 13.24 | 12.81 | 13.32 | 6.77 | 5.31 | 5.90 | 6.73 | 7.54 | 4.98 |
| 24 | 4.74 | 13.14 | 13.56 | 13.17 | 12.90 | 13.32 | 6.63 | 5.30 | 5.56 | 6.13 | 7.23 | 4.97 |
| 25 | 4.74 | 12.56 | 14.03 | 13.04 | 12.83 | 13.02 | 6.49 | 5.39 | 5.54 | 5.75 | 6.56 | 4.97 |
| 26 | 4.81 | 11.61 | 13.96 | 12.84 | 12.38 | 12.32 | 6.37 | 5.47 | 5.51 | 5.54 | 6.06 | 4.95 |
| 27 | 4.86 | 11.02 | 13.86 | 12.28 | 11.33 | 11.42 | 6.27 | 5.44 | 5.64 | 5.40 | 5.75 | 4.94 |
| 28 | 4.89 | 11.56 | 13.73 | 11.27 | 10.03 | 10.90 | 6.16 | 5.37 | 5.94 | 5.31 | 5.55 | 4.92 |
| 29 | 4.99 | 11.75 | 13.66 | 10.12 | 9.13 | 10.61 | 6.07 | 5.34 | 5.72 | 5.25 | 5.42 | 4.93 |
| 30 | 5.25 | 11.91 | 14.36 | 9.29 | --- | 12.19 | 6.04 | 5.29 | 5.52 | 5.21 | 5.31 | 4.95 |
| 31 | 5.24 | --- | 14.65 | 8.83 | --- | 13.38 | --- | 5.24 | --- | 5.17 | 5.23 | --- |
| MAX | 5.25 | 16.00 | 14.65 | 14.24 | 12.90 | 14.23 | 13.99 | 6.00 | 5.94 | 9.88 | 9.96 | 5.85 |
| MIN | 4.74 | 4.84 | 9.07 | 8.83 | 8.89 | 8.49 | 6.04 | 5.24 | 4.96 | 5.16 | 5.00 | 4.92 |

## 08013500 CALCASIEU RIVER NEAR OBERLIN, LA.

LOCATION.--Lat 30°38'25", long 92°48'50", in NW 1/4 NE 1/4 sec.7, T.5 S., R.4 W., Allen Parish, Hydrologic Unit 08080203, near right bank on downstream side of bridge on State Highway 26, 3.0 mi northwest of Oberlin, and 15 mi upstream from Whisky Chitto Creek.

DRAINAGE AREA.--753 mi².

PERIOD OF RECORD.--August 1922 to January 1925, September 1938 to current year.

REVISED RECORDS.--WSP 1512: 1923, 1939(M).

GAGE.--Water-stage recorder. Datum of gage is 39.43 ft above National Geodetic Vertical Datum of 1929. Prior to February 1925 at datum about 2.5 ft higher. September 1938 to Aug. 7, 1939, nonrecording gage at same site and present datum.

REMARKS.--No estimated daily discharges. Records good. Prior to November 1981 paper mill at Elizabeth pumps about 11 ft³/s of water from wells which was discharged in to Mill Creek 20 mi upstream from station. Some small diversions from April to September for rice irrigation upstream from station.

AVERAGE DISCHARGE.--52 years (water years 1923-24, 1939-88) 1,148 ft³/s, 20.70 in/yr, 831,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 72,800 ft³/s May 19, 1953, gage height, 26.53 ft; minimum, 30 ft³/s Sept. 28, 29, Oct. 17-19, 1956; minimum gage height, 1.21 ft June 22, 1988.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1886 reached a stage of between 22 and 23 ft, present datum.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 8000 ft³/s and maximum (*):

| Date | Time | Discharge (ft³/s) | Gage height (ft) | Date | Time | Discharge (ft³/s) | Gage height (ft) |
|---|---|---|---|---|---|---|---|
| Nov. 20 | 1430 | *11,700 | *17.97 | No. other peaks above base. | | | |

Minimum discharge, 35 ft³/s Oct. 24, 25; minimum gage height, 1.21 ft June 22.

### DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 60 | 44 | 1860 | 3590 | 969 | 991 | 2640 | 181 | 72 | 90 | 86 | 88 |
| 2 | 56 | 50 | 1440 | 5310 | 2590 | 726 | 3920 | 176 | 70 | 82 | 80 | 84 |
| 3 | 53 | 51 | 1250 | 6190 | 2710 | 1050 | 4980 | 167 | 71 | 73 | 77 | 84 |
| 4 | 52 | 51 | 1210 | 5230 | 2410 | 1430 | 4540 | 156 | 71 | 67 | 71 | 101 |
| 5 | 50 | 49 | 1210 | 4140 | 2070 | 1620 | 3850 | 149 | 71 | 71 | 67 | 125 |
| 6 | 49 | 47 | 1230 | 3290 | 2030 | 1520 | 3530 | 144 | 69 | 86 | 63 | 158 |
| 7 | 48 | 44 | 1640 | 3020 | 2040 | 1370 | 3560 | 141 | 66 | 139 | 61 | 131 |
| 8 | 47 | 44 | 2260 | 3170 | 1780 | 1810 | 3720 | 136 | 63 | 173 | 58 | 105 |
| 9 | 46 | 46 | 2540 | 2930 | 1310 | 4120 | 3450 | 131 | 61 | 241 | 55 | 100 |
| 10 | 44 | 50 | 2640 | 2580 | 1040 | 5360 | 2890 | 126 | 60 | 357 | 61 | 95 |
| 11 | 43 | 58 | 2270 | 2140 | 1030 | 6530 | 2330 | 120 | 60 | 521 | 150 | 87 |
| 12 | 42 | 109 | 1850 | 1700 | 1040 | 6340 | 1780 | 115 | 57 | 687 | 423 | 80 |
| 13 | 41 | 132 | 1640 | 1490 | 915 | 4540 | 1260 | 112 | 55 | 847 | 477 | 74 |
| 14 | 40 | 105 | 1640 | 1430 | 813 | 3300 | 893 | 108 | 54 | 700 | 374 | 69 |
| 15 | 40 | 90 | 1700 | 1440 | 972 | 2700 | 659 | 105 | 52 | 356 | 345 | 64 |
| 16 | 39 | 638 | 1770 | 1450 | 1180 | 2450 | 524 | 101 | 50 | 253 | 377 | 65 |
| 17 | 39 | 3150 | 1750 | 1440 | 970 | 2270 | 447 | 97 | 49 | 222 | 387 | 78 |
| 18 | 38 | 6400 | 1550 | 1330 | 1090 | 2600 | 401 | 93 | 48 | 199 | 302 | 82 |
| 19 | 38 | 10100 | 1230 | 1190 | 1870 | 2940 | 366 | 92 | 46 | 238 | 244 | 65 |
| 20 | 38 | 11300 | 1140 | 1160 | 2270 | 2660 | 335 | 89 | 45 | 200 | 202 | 59 |
| 21 | 37 | 9610 | 1470 | 1170 | 2610 | 2080 | 306 | 103 | 44 | 214 | 162 | 56 |
| 22 | 39 | 7300 | 1990 | 1150 | 2350 | 1670 | 285 | 109 | 44 | 360 | 279 | 54 |
| 23 | 37 | 5660 | 2180 | 1190 | 1820 | 1540 | 272 | 97 | 50 | 391 | 353 | 52 |
| 24 | 36 | 4430 | 2120 | 1370 | 1560 | 1650 | 261 | 89 | 67 | 463 | 203 | 50 |
| 25 | 36 | 3580 | 1960 | 1640 | 1530 | 1870 | 247 | 83 | 92 | 331 | 216 | 49 |
| 26 | 42 | 3130 | 2000 | 1870 | 1570 | 2110 | 233 | 79 | 103 | 210 | 242 | 47 |
| 27 | 48 | 2850 | 2740 | 1930 | 1610 | 2170 | 218 | 77 | 95 | 158 | 177 | 46 |
| 28 | 51 | 3110 | 3870 | 1840 | 1560 | 1930 | 199 | 78 | 84 | 133 | 139 | 45 |
| 29 | 46 | 2980 | 4460 | 1660 | 1320 | 1460 | 193 | 79 | 78 | 115 | 119 | 45 |
| 30 | 44 | 2440 | 4300 | 1350 | --- | 1390 | 188 | 77 | 83 | 102 | 104 | 50 |
| 31 | 42 | --- | 3770 | 1020 | --- | 2040 | --- | 74 | --- | 93 | 94 | --- |
| TOTAL | 1361 | 77648 | 64680 | 70410 | 47029 | 76237 | 48477 | 3484 | 1930 | 8172 | 6048 | 2288 |
| MEAN | 43.9 | 2588 | 2086 | 2271 | 1622 | 2459 | 1616 | 112 | 64.3 | 264 | 195 | 76.3 |
| MAX | 60 | 11300 | 4460 | 6190 | 2710 | 6530 | 4980 | 181 | 103 | 847 | 477 | 158 |
| MIN | 36 | 44 | 1140 | 1020 | 813 | 726 | 188 | 74 | 44 | 67 | 55 | 45 |
| AC-FT | 2700 | 154000 | 128300 | 139700 | 93280 | 151200 | 96150 | 6910 | 3830 | 16210 | 12000 | 4540 |
| CFSM | .06 | 3.44 | 2.77 | 3.02 | 2.15 | 3.27 | 2.15 | .15 | .09 | .35 | .26 | .10 |
| IN. | .07 | 3.84 | 3.20 | 3.48 | 2.32 | 3.77 | 2.39 | .17 | .10 | .40 | .30 | .11 |

CAL YR 1987 TOTAL 447975 MEAN 1227 MAX 12400 MIN 36 AC-FT 888600 CFSM 1.63 IN. 22.13
WTR YR 1988 TOTAL 407764 MEAN 1114 MAX 11300 MIN 36 AC-FT 808800 CFSM 1.48 IN. 20.14

## 08013500 CALCASIEU RIVER NEAR OBERLIN, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.81 | 1.61 | 9.28 | 12.77 | 6.35 | 6.47 | 11.07 | 2.50 | 1.52 | 1.70 | 1.76 | 1.74 |
| 2 | 1.76 | 1.68 | 8.14 | 14.92 | 10.93 | 5.41 | 13.25 | 2.46 | 1.50 | 1.62 | 1.71 | 1.69 |
| 3 | 1.72 | 1.70 | 7.49 | 15.71 | 11.21 | 6.67 | 14.65 | 2.39 | 1.51 | 1.53 | 1.68 | 1.70 |
| 4 | 1.70 | 1.69 | 7.30 | 14.89 | 10.58 | 8.10 | 14.15 | 2.31 | 1.50 | 1.47 | 1.62 | 1.85 |
| 5 | 1.69 | 1.67 | 7.32 | 13.61 | 9.82 | 8.66 | 13.18 | 2.25 | 1.51 | 1.51 | 1.57 | 2.07 |
| 6 | 1.67 | 1.64 | 7.39 | 12.27 | 9.72 | 8.38 | 12.68 | 2.21 | 1.49 | 1.66 | 1.53 | 2.36 |
| 7 | 1.66 | 1.62 | 8.68 | 11.80 | 9.74 | 7.92 | 12.72 | 2.17 | 1.46 | 2.15 | 1.51 | 2.12 |
| 8 | 1.64 | 1.61 | 10.26 | 12.07 | 9.07 | 9.05 | 12.98 | 2.13 | 1.43 | 2.44 | 1.48 | 1.89 |
| 9 | 1.63 | 1.64 | 10.85 | 11.62 | 7.69 | 13.52 | 12.53 | 2.08 | 1.41 | 2.92 | 1.44 | 1.84 |
| 10 | 1.61 | 1.68 | 11.07 | 10.94 | 6.68 | 15.03 | 11.55 | 2.03 | 1.40 | 3.64 | 1.51 | 1.78 |
| 11 | 1.60 | 1.78 | 10.29 | 9.99 | 6.61 | 15.93 | 10.41 | 1.98 | 1.40 | 4.49 | 4.26 | 1.70 |
| 12 | 1.59 | 2.34 | 9.26 | 8.87 | 6.65 | 15.80 | 9.09 | 1.93 | 1.37 | 5.25 | 4.00 | 1.64 |
| 13 | 1.58 | 2.54 | 8.72 | 8.28 | 6.18 | 14.11 | 7.48 | 1.90 | 1.34 | 5.91 | 4.28 | 1.58 |
| 14 | 1.56 | 2.32 | 8.72 | 8.12 | 5.77 | 12.27 | 6.09 | 1.86 | 1.33 | 5.29 | 3.75 | 1.52 |
| 15 | 1.56 | 2.16 | 8.86 | 8.16 | 6.40 | 11.18 | 5.12 | 1.84 | 1.31 | 3.65 | 3.59 | 1.48 |
| 16 | 1.55 | 4.93 | 9.05 | 8.17 | 7.19 | 10.66 | 4.51 | 1.80 | 1.29 | 3.06 | 3.77 | 1.48 |
| 17 | 1.54 | 11.81 | 9.01 | 8.14 | 6.39 | 10.28 | 4.13 | 1.76 | 1.28 | 2.86 | 3.82 | 1.61 |
| 18 | 1.53 | 15.74 | 8.46 | 7.79 | 6.82 | 10.96 | 3.89 | 1.73 | 1.26 | 2.71 | 3.34 | 1.64 |
| 19 | 1.53 | 17.56 | 7.38 | 7.23 | 9.30 | 11.64 | 3.69 | 1.71 | 1.25 | 2.97 | 2.99 | 1.48 |
| 20 | 1.53 | 17.88 | 7.04 | 7.10 | 10.29 | 11.10 | 3.51 | 1.68 | 1.23 | 2.72 | 2.71 | 1.42 |
| 21 | 1.53 | 17.39 | 8.18 | 7.16 | 11.00 | 9.84 | 3.34 | 1.82 | 1.23 | 2.81 | 2.42 | 1.38 |
| 22 | 1.55 | 16.38 | 9.62 | 7.07 | 10.46 | 8.79 | 3.21 | 1.87 | 1.22 | 3.67 | 3.14 | 1.35 |
| 23 | 1.53 | 15.28 | 10.11 | 7.22 | 9.20 | 8.42 | 3.13 | 1.77 | 1.29 | 3.84 | 3.62 | 1.32 |
| 24 | 1.51 | 14.00 | 9.95 | 7.90 | 8.49 | 8.72 | 3.06 | 1.68 | 1.47 | 4.21 | 2.70 | 1.31 |
| 25 | 1.51 | 12.75 | 9.55 | 8.70 | 8.39 | 9.32 | 2.97 | 1.63 | 1.71 | 3.51 | 2.79 | 1.29 |
| 26 | 1.58 | 11.99 | 9.66 | 9.31 | 8.51 | 9.92 | 2.88 | 1.59 | 1.82 | 2.78 | 2.97 | 1.28 |
| 27 | 1.66 | 11.47 | 11.23 | 9.47 | 8.62 | 10.08 | 2.77 | 1.57 | 1.74 | 2.42 | 2.52 | 1.26 |
| 28 | 1.70 | 11.96 | 13.21 | 9.24 | 8.48 | 9.48 | 2.63 | 1.58 | 1.63 | 2.20 | 2.22 | 1.25 |
| 29 | 1.64 | 11.72 | 14.08 | 8.75 | 7.74 | 8.19 | 2.58 | 1.59 | 1.58 | 2.04 | 2.03 | 1.24 |
| 30 | 1.60 | 10.64 | 13.87 | 7.83 | --- | 7.94 | 2.55 | 1.57 | 1.63 | 1.92 | 1.89 | 1.29 |
| 31 | 1.58 | --- | 13.06 | 6.60 | --- | 9.74 | --- | 1.54 | --- | 1.83 | 1.79 | --- |
| MAX | 1.81 | 17.88 | 14.08 | 15.71 | 11.21 | 15.93 | 14.65 | 2.50 | 1.82 | 5.91 | 4.28 | 2.36 |
| MIN | 1.51 | 1.61 | 7.04 | 6.60 | 5.77 | 5.41 | 2.55 | 1.54 | 1.22 | 1.47 | 1.44 | 1.24 |

## 08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA

LOCATION.--Lat 30°41'55", long 92°53'35", in NE 1/4 NE 1/4 sec.20, T.4 S., R.5 W., Allen Parish, Hydrologic Unit 08080204, near left bank on downstream side of bridge on State Highway 26, 1.0 mi downstream from Tenmile Creek, 8.0 mi upstream from Bundick Creek, and 10 mi northwest of Oberlin.

DRAINAGE AREA.--510 mi².

PERIOD OF RECORD.--January 1939 to current year.

REVISED RECORD.--WRD LA-84-1: 1983(M).

GAGE.--Water-stage recorder. Datum of gage is 46.24 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 19, 1944, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges. Records fair. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--49 years, 815 ft³/s, 21.70 in/yr, 590,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 144,000 ft³/s May 18, 1953, gage height, 32.8 ft, from floodmark from rating curve extended above 37,000 ft³/s on basis of slope-area measurement of peak flow: minimum, 88 ft³/s Oct. 19, 20, 1956; minimum gage height, 2.41 ft Sept. 9, 10, 11, 1982.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1886 reached a stage of 25.7 ft, from floodmarks preserved by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 3,000 ft³/s and maximum (*):

| Date | Time | Discharge (ft³/s) | Gage height (ft) | Date | Time | Discharge (ft³/s) | Gage height (ft) |
|---|---|---|---|---|---|---|---|
| Nov. 18 | 0300 | *24,000 | *22.52 | Apr. 3 | 0030 | 4,280 | 13.72 |
| Mar. 11 | 1100 | 5,430 | 15.13 | | | | |

Minimum discharge, 152 ft³/s Oct. 24, 25, gage height, 2.50 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 174 | 177 | 1350 | 1760 | 636 | 547 | 2540 | 338 | e225 | 229 | 205 | 230 |
| 2 | 173 | 170 | 1010 | 1790 | 1130 | 548 | 3630 | 359 | 223 | 223 | 208 | 238 |
| 3 | 171 | 166 | 865 | 1780 | 1280 | 1560 | 4040 | 368 | 230 | 218 | 205 | 312 |
| 4 | 169 | 164 | 780 | 1470 | 1130 | 2530 | 3130 | 339 | 235 | 214 | 202 | 311 |
| 5 | 168 | 161 | 725 | 1120 | 1100 | 2560 | 2490 | 326 | 233 | 251 | 203 | 367 |
| 6 | 166 | 159 | 694 | 964 | 1820 | 2570 | 1680 | 322 | 258 | 320 | 230 | 479 |
| 7 | 165 | 158 | 1530 | 1190 | 1800 | 1760 | 1080 | 320 | 264 | 504 | 281 | 373 |
| 8 | 165 | 161 | 2720 | 2270 | 1390 | 1200 | 934 | 319 | 244 | 621 | 291 | 291 |
| 9 | 163 | 251 | 2610 | 2220 | 1000 | 3340 | 799 | 316 | 235 | 548 | 234 | 254 |
| 10 | 162 | 466 | 2550 | 1880 | 850 | 4420 | 689 | 315 | 230 | 429 | 224 | 237 |
| 11 | 161 | 495 | 2050 | 1260 | 781 | 5220 | 618 | 313 | 224 | 369 | 804 | 228 |
| 12 | 160 | 374 | 1550 | 978 | 747 | 4140 | 572 | 304 | 221 | 350 | 2410 | 222 |
| 13 | 159 | 262 | 992 | 885 | 746 | 2380 | 548 | 298 | 219 | 340 | 2180 | 218 |
| 14 | 159 | 218 | 845 | 884 | 718 | 1340 | 526 | 296 | 217 | 274 | 2040 | 217 |
| 15 | 159 | 204 | 772 | 897 | 791 | 944 | 498 | 295 | 214 | 246 | 1160 | 215 |
| 16 | 158 | 2470 | 753 | 818 | 871 | 805 | 473 | e290 | 212 | 233 | 537 | 216 |
| 17 | 158 | 13400 | 749 | 914 | 982 | 734 | 453 | e285 | 210 | 225 | 418 | 631 |
| 18 | 158 | 20300 | 703 | 1300 | 1010 | 1640 | 440 | e270 | 209 | 223 | 360 | 805 |
| 19 | 157 | 10500 | 661 | 1440 | 2350 | 2670 | 426 | e260 | 212 | 234 | 336 | 510 |
| 20 | 157 | 7350 | 1190 | 1910 | 2460 | 2590 | 422 | e255 | 250 | 332 | 339 | 356 |
| 21 | 154 | 4360 | 2070 | 2060 | 2240 | 2580 | 430 | e320 | 282 | 604 | 307 | 288 |
| 22 | 153 | 1690 | 2630 | 2010 | 1640 | 2020 | 408 | e330 | 285 | 656 | 418 | 251 |
| 23 | 153 | 1100 | 2660 | 1580 | 1110 | 1120 | 392 | e290 | 268 | 428 | 567 | 232 |
| 24 | 153 | 916 | 2620 | 993 | 810 | 890 | 379 | e285 | 242 | 313 | 523 | 222 |
| 25 | 154 | 862 | 2200 | 838 | 718 | 795 | 371 | e280 | 277 | 263 | 403 | 215 |
| 26 | 164 | 1600 | 1490 | 766 | 656 | 746 | 365 | e270 | 336 | 238 | 316 | 210 |
| 27 | 170 | 1910 | 1600 | 705 | 607 | 750 | 354 | e260 | 345 | 225 | 280 | 207 |
| 28 | 189 | 2600 | 2300 | 656 | 576 | 741 | 343 | e245 | 324 | 218 | 261 | 204 |
| 29 | 279 | 2560 | 2600 | 623 | 555 | 664 | 337 | e240 | 270 | 215 | 246 | 203 |
| 30 | 231 | 1990 | 2690 | 602 | --- | 1130 | 341 | e235 | 242 | 212 | 236 | 206 |
| 31 | 192 | --- | 2660 | 588 | --- | 2090 | --- | e230 | --- | 208 | 228 | --- |
| TOTAL | 5254 | 77194 | 50619 | 39151 | 32504 | 57024 | 29708 | 9173 | 7436 | 9963 | 16652 | 8948 |
| MEAN | 169 | 2573 | 1633 | 1263 | 1121 | 1839 | 990 | 296 | 248 | 321 | 537 | 298 |
| MAX | 279 | 20300 | 2720 | 2270 | 2460 | 5220 | 4040 | 368 | 345 | 656 | 2410 | 805 |
| MIN | 153 | 158 | 661 | 588 | 555 | 547 | 337 | 230 | 209 | 208 | 202 | 203 |
| AC-FT | 10420 | 153100 | 100400 | 77660 | 64470 | 113100 | 58930 | 18190 | 14750 | 19760 | 33030 | 17750 |
| CFSM | .33 | 5.05 | 3.20 | 2.48 | 2.20 | 3.61 | 1.94 | .58 | .49 | .63 | 1.05 | .58 |
| IN. | .38 | 5.63 | 3.69 | 2.86 | 2.37 | 4.16 | 2.17 | .67 | .54 | .73 | 1.21 | .65 |

CAL YR 1987 TOTAL 361850 MEAN 991 MAX 20300 MIN 153 AC-FT 717700 CFSM 1.94 IN. 26.39
WTR YR 1988 TOTAL 343626 MEAN 939 MAX 20300 MIN 153 AC-FT 681600 CFSM 1.84 IN. 25.06

e Estimated.

## 08014500 WHISKY CHITTO CREEK NEAR OBERLIN, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.65 | 2.67 | 6.41 | 7.75 | 4.30 | 4.12 | 10.36 | 3.40 | --- | 2.82 | 2.65 | 2.83 |
| 2 | 2.65 | 2.62 | 5.32 | 7.85 | 6.00 | 4.13 | 12.65 | 3.50 | 2.80 | 2.78 | 2.67 | 2.87 |
| 3 | 2.63 | 2.60 | 4.84 | 7.84 | 6.49 | 7.40 | 13.38 | 3.54 | 2.83 | 2.74 | 2.65 | 3.27 |
| 4 | 2.62 | 2.58 | 4.54 | 6.91 | 6.03 | 10.22 | 11.78 | 3.40 | 2.86 | 2.71 | 2.62 | 3.27 |
| 5 | 2.61 | 2.57 | 4.33 | 5.82 | 5.93 | 10.30 | 10.26 | 3.34 | 2.85 | 2.93 | 2.63 | 3.53 |
| 6 | 2.60 | 2.55 | 4.22 | 5.32 | 8.14 | 10.35 | 8.00 | 3.32 | 2.99 | 3.30 | 2.83 | 4.02 |
| 7 | 2.59 | 2.54 | 6.87 | 6.03 | 8.08 | 8.09 | 6.18 | 3.31 | 3.03 | 4.12 | 3.11 | 3.56 |
| 8 | 2.59 | 2.56 | 10.32 | 9.21 | 6.87 | 6.38 | 5.69 | 3.31 | 2.92 | 4.57 | 3.16 | 3.17 |
| 9 | 2.58 | 3.08 | 9.95 | 9.08 | 5.62 | 12.07 | 5.22 | 3.29 | 2.87 | 4.29 | 2.85 | 2.97 |
| 10 | 2.58 | 4.09 | 9.79 | 8.16 | 5.12 | 13.91 | 4.82 | 3.29 | 2.83 | 3.81 | 2.78 | 2.87 |
| 11 | 2.57 | 4.22 | 8.46 | 6.32 | 4.88 | 14.89 | 4.56 | 3.28 | 2.79 | 3.54 | 5.00 | 2.82 |
| 12 | 2.56 | 3.69 | 7.03 | 5.40 | 4.76 | 13.48 | 4.39 | 3.23 | 2.77 | 3.45 | 10.03 | 2.77 |
| 13 | 2.55 | 3.17 | 5.28 | 5.09 | 4.76 | 9.84 | 4.30 | 3.20 | 2.75 | 3.40 | 9.42 | 2.75 |
| 14 | 2.55 | 2.94 | 4.79 | 5.09 | 4.66 | 6.87 | 4.21 | 3.19 | 2.74 | 3.08 | 9.05 | 2.74 |
| 15 | 2.55 | 2.85 | 4.54 | 5.14 | 4.94 | 5.61 | 4.10 | 3.19 | 2.72 | 2.93 | 6.38 | 2.72 |
| 16 | 2.54 | 9.49 | 4.47 | 4.87 | 5.22 | 5.14 | 3.99 | --- | 2.70 | 2.85 | 4.25 | 2.73 |
| 17 | 2.54 | 19.41 | 4.46 | 5.20 | 5.60 | 4.88 | 3.91 | --- | 2.69 | 2.79 | 3.76 | 4.50 |
| 18 | 2.54 | 21.73 | 4.30 | 6.48 | 5.67 | 7.70 | 3.85 | --- | 2.68 | 2.78 | 3.50 | 5.24 |
| 19 | 2.53 | 19.12 | 4.16 | 6.91 | 9.67 | 10.66 | 3.79 | --- | 2.70 | 2.85 | 3.39 | 4.14 |
| 20 | 2.53 | 17.10 | 5.92 | 8.31 | 9.95 | 10.44 | 3.78 | --- | 2.94 | 3.34 | 3.40 | 3.48 |
| 21 | 2.52 | 13.49 | 8.56 | 8.72 | 9.36 | 10.43 | 3.81 | --- | 3.12 | 4.51 | 3.25 | 3.15 |
| 22 | 2.51 | 7.42 | 10.09 | 8.58 | 7.68 | 8.91 | 3.72 | --- | 3.14 | 4.70 | 3.76 | 2.96 |
| 23 | 2.51 | 5.61 | 10.20 | 7.32 | 6.06 | 6.23 | 3.65 | --- | 3.05 | 3.80 | 4.37 | 2.84 |
| 24 | 2.51 | 5.01 | 10.07 | 5.51 | 5.05 | 5.47 | 3.59 | --- | 2.90 | 3.28 | 4.20 | 2.77 |
| 25 | 2.51 | 4.83 | 8.95 | 4.99 | 4.72 | 5.14 | 3.55 | --- | 3.09 | 3.02 | 3.69 | 2.72 |
| 26 | 2.58 | 7.15 | 6.93 | 4.74 | 4.50 | 4.97 | 3.52 | --- | 3.39 | 2.88 | 3.29 | 2.69 |
| 27 | 2.63 | 8.08 | 7.26 | 4.52 | 4.33 | 4.99 | 3.48 | --- | 3.43 | 2.79 | 3.11 | 2.67 |
| 28 | 2.75 | 9.96 | 9.23 | 4.35 | 4.22 | 4.96 | 3.42 | --- | 3.33 | 2.74 | 3.01 | 2.64 |
| 29 | 3.25 | 9.83 | 10.03 | 4.24 | 4.15 | 4.69 | 3.40 | --- | 3.06 | 2.72 | 2.93 | 2.63 |
| 30 | 3.01 | 8.29 | 10.32 | 4.16 | --- | 6.26 | 3.42 | --- | 2.90 | 2.70 | 2.87 | 2.66 |
| 31 | 2.77 | --- | 10.26 | 4.12 | --- | 9.15 | --- | --- | --- | 2.67 | 2.82 | --- |
| MAX | 3.25 | 21.73 | 10.32 | 9.21 | 9.95 | 14.89 | 13.38 | 3.54 | 3.43 | 4.70 | 10.03 | 5.24 |
| MIN | 2.51 | 2.54 | 4.16 | 4.12 | 4.15 | 4.12 | 3.40 | --- | 2.68 | 2.67 | 2.62 | 2.63 |

## 08015500 CALCASIEU RIVER NEAR KINDER, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°30'10", long 92°54'55", in NW 1/4 SE 1/4 sec.30, T.6 S., R.5 W., Allen Parish, Hydrologic Unit 08080203, near center of span on downstream side of bridge on U.S. Highway 190, 0.5 mi downstream from Whisky Chitto Creek, and 4.0 mi west of Kinder.

DRAINAGE AREA.--1,700 $mi^2$.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1922 to January 1925, October 1938 to September 1957, October 1961 to current year. October 1957 to September 1961 (annual maximums) from National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 11.95 ft above National Geodetic Vertical Datum of 1929. August 1922 to January 1925, water-stage recorder 400 ft downstream at datum 1.77 ft higher. October 1938 to July 9, 1939, nonrecording gage at present site and datum.

REMARKS.--Estimated daily discharges. Records good, except those for estimated daily discharges, which are fair. Prior to November, 1981, paper mill at Elizabeth pumped about 11 $ft^3/s$ from wells which was later discharged into Mill Creek 36 mi above station. Water is diverted during period April to September at points just above station and 5.0 mi above station for the irrigation of about 7,500 acres of rice, part of which is below station. The maximum rate of withdrawal is about 100 $ft^3/s$ and this diversion results in marked regulation of the low-water flow. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--48 years (water years 1923-24, 1939-57, 1962-88), 2,588 $ft^3/s$, 1,874,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 182,000 $ft^3/s$ May 19, 1953, gage height, 32.00 ft; minimum, 136 $ft^3/s$ Aug. 15, 1956; minimum gage height, 1.42 ft Sept. 30, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 30,900 $ft^3/s$ Nov. 19, gage height, 19.54 ft; minimum, 276 $ft^3/s$ Oct. 16, gage height, 1.56 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 402 | 399 | 5110 | 7700 | e1930 | e2000 | 5580 | 883 | 444 | 500 | 428 | 825 |
| 2 | 387 | 374 | 3540 | 7180 | 4260 | e1590 | 7760 | 824 | 422 | 462 | 409 | 854 |
| 3 | 372 | 363 | 2770 | 7270 | 7160 | e3260 | 9800 | 823 | 447 | 438 | 405 | 819 |
| 4 | 364 | 353 | 2290 | 7610 | 6330 | 4750 | 10700 | 806 | 844 | 433 | 400 | 829 |
| 5 | 358 | 344 | 2120 | 7410 | 5270 | 5210 | 9560 | 767 | 878 | 433 | 384 | 726 |
| 6 | 350 | 333 | 2060 | 5830 | 5300 | 5290 | 7830 | 731 | 698 | 789 | 391 | 761 |
| 7 | 345 | 323 | 3120 | 5380 | 5760 | 5110 | 5860 | 694 | 625 | 896 | 430 | 797 |
| 8 | 342 | 319 | 5600 | 5960 | 5390 | 4850 | 5160 | 688 | 577 | 1010 | 504 | 640 |
| 9 | 338 | 360 | 6180 | 6530 | 4120 | 8420 | 4880 | 668 | 512 | 1070 | 480 | 545 |
| 10 | 331 | 587 | 6080 | 6270 | 3160 | 11300 | 4610 | 645 | 491 | 1140 | 498 | 502 |
| 11 | 328 | 747 | 5750 | 5640 | e2940 | 12400 | 4130 | 632 | 470 | 1280 | 1310 | 474 |
| 12 | 324 | 739 | 4700 | 4200 | e2950 | 12400 | 3520 | 620 | 447 | 1260 | 3720 | 446 |
| 13 | 320 | 662 | 3560 | 3620 | e2660 | 12000 | e2710 | 608 | 430 | 1370 | 4690 | 425 |
| 14 | 306 | 598 | 2920 | 3090 | e2300 | 8220 | e2130 | 603 | 396 | 1390 | 4820 | 409 |
| 15 | 293 | 535 | e2910 | e3130 | e2640 | 5310 | e1740 | 608 | 386 | 1060 | 3870 | 440 |
| 16 | 291 | 1730 | e2950 | e2950 | e2970 | 4200 | e1500 | 604 | 382 | 775 | 2650 | 734 |
| 17 | 301 | 9320 | e2920 | e3060 | e2830 | 3780 | e1360 | 584 | 374 | 703 | 1470 | 1250 |
| 18 | 307 | 22700 | e2640 | e3290 | 2960 | 4380 | e1270 | 555 | 372 | 651 | 1170 | 2220 |
| 19 | 305 | 27700 | e2190 | e3280 | 4790 | 6080 | e1200 | 537 | 370 | 690 | 1050 | 1610 |
| 20 | 304 | 21700 | e2700 | e3840 | 5950 | 6620 | e1140 | 517 | 385 | 791 | 997 | 1140 |
| 21 | 304 | 19100 | e4100 | 3930 | 6040 | 6480 | e1110 | 709 | 496 | 880 | 886 | 971 |
| 22 | 301 | 14500 | 5380 | 4020 | 5760 | 5900 | e1050 | 728 | 508 | 1160 | 1120 | 882 |
| 23 | 295 | 9160 | 6240 | 3990 | 4540 | 4560 | e1010 | 629 | 563 | 1200 | 1460 | 825 |
| 24 | 293 | 6640 | 6290 | 3580 | 3390 | 3770 | e970 | 591 | 616 | 1060 | 1350 | 765 |
| 25 | 293 | 5820 | 6000 | 3050 | e3150 | 3270 | e940 | 585 | 621 | 948 | 1150 | 732 |
| 26 | 328 | 5480 | 5400 | e3100 | e3120 | 3120 | e910 | 549 | 713 | 747 | 1030 | 698 |
| 27 | 362 | 5860 | 4740 | 3150 | e2990 | 3220 | 871 | 513 | 757 | 638 | 875 | 684 |
| 28 | 384 | 6220 | 5310 | 3120 | e2880 | 3280 | 825 | 489 | 718 | 563 | 744 | 651 |
| 29 | 440 | 6840 | 6430 | e2970 | e2440 | 3100 | 802 | 480 | 632 | 509 | 661 | 625 |
| 30 | 505 | 6660 | 7290 | e2540 | --- | 2890 | 915 | 475 | 541 | 472 | 601 | 622 |
| 31 | 448 | --- | 7610 | e2010 | --- | 4310 | --- | 450 | --- | 442 | 600 | --- |
| TOTAL | 10621 | 176466 | 136900 | 138700 | 115980 | 171070 | 101843 | 19595 | 16115 | 25760 | 40553 | 23901 |
| MEAN | 343 | 5882 | 4416 | 4474 | 3999 | 5518 | 3395 | 632 | 537 | 831 | 1308 | 797 |
| MAX | 505 | 27700 | 7610 | 7700 | 7160 | 12400 | 10700 | 883 | 878 | 1390 | 4820 | 2220 |
| MIN | 291 | 319 | 2060 | 2010 | 1930 | 1590 | 802 | 450 | 370 | 433 | 384 | 409 |
| AC-FT | 21070 | 350000 | 271500 | 275100 | 230000 | 339300 | 202000 | 38870 | 31960 | 51090 | 80440 | 47410 |

CAL YR 1987 TOTAL 1087594 MEAN 2980 MAX 27700 MIN 291 AC-FT 2157000
WTR YR 1988 TOTAL 977504 MEAN 2671 MAX 27700 MIN 291 AC-FT 1939000

e Estimated.

## 08015500 CALCASIEU RIVER NEAR KINDER, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.00 | 1.99 | 12.72 | 14.46 | --- | --- | 12.43 | 3.55 | 2.14 | 2.32 | 2.09 | 3.37 |
| 2 | 1.95 | 1.91 | 10.68 | 14.17 | 11.23 | --- | 14.13 | 3.36 | 2.07 | 2.20 | 2.03 | 3.46 |
| 3 | 1.90 | 1.87 | 8.61 | 14.22 | 14.15 | --- | 15.40 | 3.36 | 2.15 | 2.12 | 2.01 | 3.35 |
| 4 | 1.87 | 1.84 | 7.51 | 14.42 | 13.51 | 11.40 | 15.73 | 3.31 | 3.40 | 2.11 | 2.00 | 3.38 |
| 5 | 1.85 | 1.80 | 7.05 | 14.30 | 12.48 | 12.42 | 15.32 | 3.18 | 3.53 | 2.11 | 1.94 | 3.05 |
| 6 | 1.82 | 1.77 | 6.90 | 13.38 | 12.52 | 12.50 | 14.53 | 3.07 | 2.96 | 3.25 | 1.97 | 3.16 |
| 7 | 1.81 | 1.73 | 9.24 | 12.60 | 13.01 | 12.30 | 13.41 | 2.95 | 2.72 | 3.59 | 2.10 | 3.28 |
| 8 | 1.80 | 1.72 | 12.33 | 13.18 | 12.61 | 11.99 | 12.36 | 2.93 | 2.56 | 3.92 | 2.33 | 2.77 |
| 9 | 1.78 | 1.86 | 13.39 | 13.69 | 11.42 | 14.33 | 12.04 | 2.86 | 2.36 | 4.11 | 2.26 | 2.46 |
| 10 | 1.76 | 2.60 | 13.29 | 13.47 | 9.70 | 15.89 | 11.69 | 2.79 | 2.29 | 4.31 | 2.32 | 2.33 |
| 11 | 1.75 | 3.12 | 13.00 | 12.87 | --- | 16.26 | 11.03 | 2.75 | 2.23 | 4.73 | 4.75 | 2.24 |
| 12 | 1.73 | 3.09 | 12.16 | 11.55 | --- | 16.26 | 10.08 | 2.71 | 2.15 | 4.68 | 9.77 | 2.15 |
| 13 | 1.72 | 2.84 | 10.60 | 10.25 | --- | 16.13 | --- | 2.67 | 2.10 | 4.99 | 11.79 | 2.08 |
| 14 | 1.67 | 2.63 | 8.93 | 9.28 | --- | 15.02 | --- | 2.65 | 1.98 | 5.03 | 11.97 | 2.03 |
| 15 | 1.62 | 2.43 | --- | --- | --- | 13.07 | --- | 2.67 | 1.95 | 4.09 | 11.03 | 2.13 |
| 16 | 1.62 | 5.79 | --- | --- | --- | 11.46 | --- | 2.65 | 1.93 | 3.21 | 8.29 | 3.08 |
| 17 | 1.65 | 13.59 | --- | --- | --- | 10.52 | --- | 2.59 | 1.91 | 2.98 | 5.27 | 4.63 |
| 18 | 1.67 | 17.99 | --- | --- | 9.02 | 11.04 | --- | 2.49 | 1.90 | 2.81 | 4.40 | 7.32 |
| 19 | 1.67 | 19.10 | --- | --- | 11.89 | 12.86 | --- | 2.44 | 1.89 | 2.94 | 4.04 | 5.67 |
| 20 | 1.66 | 18.19 | --- | --- | 13.18 | 13.76 | --- | 2.37 | 1.94 | 3.26 | 3.89 | 4.32 |
| 21 | 1.66 | 17.74 | --- | 10.75 | 13.26 | 13.65 | --- | 2.99 | 2.31 | 3.53 | 3.56 | 3.82 |
| 22 | 1.65 | 16.95 | 12.60 | 10.88 | 13.00 | 13.13 | --- | 3.06 | 2.35 | 4.37 | 4.25 | 3.54 |
| 23 | 1.63 | 15.38 | 13.44 | 10.84 | 12.02 | 12.13 | --- | 2.74 | 2.52 | 4.48 | 5.26 | 3.37 |
| 24 | 1.62 | 14.05 | 13.48 | 10.19 | 10.22 | 10.49 | --- | 2.61 | 2.69 | 4.08 | 4.94 | 3.18 |
| 25 | 1.62 | 13.06 | 13.23 | 9.20 | --- | 9.64 | --- | 2.59 | 2.71 | 3.75 | 4.35 | 3.07 |
| 26 | 1.75 | 12.72 | 12.63 | --- | --- | 9.34 | --- | 2.47 | 3.01 | 3.12 | 3.98 | 2.96 |
| 27 | 1.87 | 13.10 | 11.87 | 9.41 | --- | 9.56 | 3.51 | 2.36 | 3.15 | 2.77 | 3.52 | 2.92 |
| 28 | 1.94 | 13.42 | 12.53 | 9.35 | --- | 9.66 | 3.37 | 2.29 | 3.03 | 2.52 | 3.11 | 2.81 |
| 29 | 2.13 | 13.94 | 13.60 | --- | --- | 9.30 | 3.30 | 2.26 | 2.75 | 2.35 | 2.84 | 2.72 |
| 30 | 2.34 | 13.79 | 14.23 | --- | --- | 8.88 | 3.65 | 2.24 | 2.45 | 2.23 | 2.65 | 2.71 |
| 31 | 2.15 | --- | 14.42 | --- | --- | 10.79 | --- | 2.16 | --- | 2.14 | 2.64 | --- |
| MAX | 2.34 | 19.10 | 14.42 | 14.46 | 14.15 | 16.26 | 15.73 | 3.55 | 3.53 | 5.03 | 11.97 | 7.32 |
| MIN | 1.62 | 1.72 | 6.90 | --- | --- | 8.88 | --- | 2.16 | 1.89 | 2.11 | 1.94 | 2.03 |

## 08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944, 1966-69, 1973-75, 1979 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: June 1979 to September 1982.
WATER TEMPERATURES: June 1979 to September 1982.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 139 micromhos June 24, 1979; minimum daily, 13 micromhos Sept. 21, 1979.
WATER TEMPERATURES: Maximum daily, 34.0°C Aug. 26, 1981; minimum daily, 6.0°C Jan. 12, 1981.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--A specific conductance of 187 micromhos was observed July 16, 1969. A water temperature of 5.0°C was observed Jan. 17, 1984.

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | DIS-CHARGE, IN CUBIC FEET PER SECOND | SPE-CIFIC CON-DUCT-ANCE (US/CM) | PH (STAND-ARD UNITS) | TEMPER-ATURE WATER (DEG C) | COLOR (PLAT-INUM-COBALT UNITS) | TUR-BID-ITY (NTU) | OXYGEN, DIS-SOLVED (MG/L) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) | STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 07... | 1530 | 345 | 69 | 6.40 | 18.5 | 15 | 4.9 | 9.2 | 1.0 | 560 | K22 |
| JAN 1988 | | | | | | | | | | | |
| 13... | 1045 | 662 | 41 | 6.51 | 5.0 | 60 | 19 | 12.0 | 2.4 | K160 | 260 |
| APR | | | | | | | | | | | |
| 12... | 1430 | 3520 | 37 | 6.33 | 17.5 | 75 | 17 | 7.7 | 1.8 | K32 | 220 |
| JUL | | | | | | | | | | | |
| 26... | 1000 | 747 | 49 | 6.64 | 27.5 | 50 | 21 | 7.3 | 1.0 | 66 | 68 |

| DATE | HARD-NESS TOTAL (MG/L AS CACO3) | CALCIUM DIS-SOLVED (MG/L AS CA) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) | SODIUM, DIS-SOLVED (MG/L AS NA) | POTAS-SIUM, DIS-SOLVED (MG/L AS K) | ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DIS-SOLVED (MG/L AS SO4) | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) | FLUO-RIDE, DIS-SOLVED (MG/L AS F) | SILICA, DIS-SOLVED (MG/L AS SIO2) | SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 07... | 13 | 3.2 | 1.1 | 7.4 | 1.3 | 20 | 3.3 | 6.6 | 0.2 | 30 | 64 |
| JAN 1988 | | | | | | | | | | | |
| 13... | 9 | 2.1 | 0.82 | 3.3 | 1.0 | 11 | 5.4 | 4.8 | 0.1 | 11 | 44 |
| APR | | | | | | | | | | | |
| 12... | 9 | 2.4 | 0.76 | 3.7 | 0.90 | 7 | 9.2 | 4.8 | 0.1 | 9.4 | 50 |
| JUL | | | | | | | | | | | |
| 26... | 10 | 2.6 | 0.94 | 4.6 | 1.2 | 12 | 6.6 | 4.7 | 0.1 | 16 | 55 |

| DATE | SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) | NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) | NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) | NITRO-GEN, AMMONIA TOTAL (MG/L AS N) | NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) | NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) | PHOS-PHOROUS TOTAL (MG/L AS P) | PHOS-PHOROUS DIS-SOLVED (MG/L AS P) | PHOS-PHOROUS ORTHO, DIS-SOLVED (MG/L AS P) | ALUM-INUM, DIS-SOLVED (UG/L AS AL) | ARSENIC DIS-SOLVED (UG/L AS AS) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 07... | 65 | <0.01 | <0.10 | 0.02 | 0.02 | 0.2 | 0.05 | 0.03 | 0.04 | 30 | 1 |
| JAN 1988 | | | | | | | | | | | |
| 13... | 32 | <0.01 | <0.10 | 0.04 | 0.05 | 0.5 | 0.04 | <0.01 | <0.01 | 180 | <1 |
| APR | | | | | | | | | | | |
| 12... | 37 | <0.01 | <0.10 | 0.06 | 0.06 | 0.7 | 0.04 | 0.02 | <0.01 | 170 | <1 |
| JUL | | | | | | | | | | | |
| 26... | 44 | <0.01 | 0.12 | -- | 0.04 | 1.0 | 0.06 | 0.04 | 0.02 | 100 | 1 |

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal colony count).

## 08015500 CALCASIEU RIVER NEAR KINDER, LA--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | BARIUM, DIS-SOLVED (UG/L AS BA) | BERYL-LIUM, DIS-SOLVED (UG/L AS BE) | CADMIUM DIS-SOLVED (UG/L AS CD) | CHRO-MIUM, DIS-SOLVED (UG/L AS CR) | COBALT, DIS-SOLVED (UG/L AS CO) | COPPER, DIS-SOLVED (UG/L AS CU) | IRON, DIS-SOLVED (UG/L AS FE) | LEAD, DIS-SOLVED (UG/L AS PB) | LITHIUM DIS-SOLVED (UG/L AS LI) | MANGA-NESE, DIS-SOLVED (UG/L AS MN) | MERCURY DIS-SOLVED (UG/L AS HG) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 07... | 30 | <0.5 | <1 | <1 | <3 | 2 | 130 | <5 | 11 | 42 | <0.1 |
| JAN 1988 | | | | | | | | | | | |
| 13... | 27 | <0.5 | <1 | <1 | <3 | 2 | 250 | <5 | <4 | 65 | <0.1 |
| APR | | | | | | | | | | | |
| 12... | 110 | <0.5 | <1 | <1 | <3 | 2 | 340 | <5 | <4 | 93 | <0.1 |
| JUL | | | | | | | | | | | |
| 26... | 33 | <0.5 | <1 | <1 | <3 | 2 | 260 | <5 | <4 | 38 | <0.1 |

| DATE | MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) | NICKEL, DIS-SOLVED (UG/L AS NI) | SELE-NIUM, DIS-SOLVED (UG/L AS SE) | SILVER, DIS-SOLVED (UG/L AS AG) | STRON-TIUM, DIS-SOLVED (UG/L AS SR) | VANA-DIUM, DIS-SOLVED (UG/L AS V) | ZINC, DIS-SOLVED (UG/L AS ZN) | SEDI-MENT, SUS-PENDED (MG/L) | SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 07... | <10 | <1 | <1 | <1 | 30 | <6 | <3 | 8 | 7.5 | 98 |
| JAN 1988 | | | | | | | | | | |
| 13... | <10 | 2 | <1 | <1 | 13 | <6 | 9 | 17 | 30 | 98 |
| APR | | | | | | | | | | |
| 12... | <10 | 2 | <1 | <1 | 16 | <6 | 31 | 23 | 219 | 77 |
| JUL | | | | | | | | | | |
| 26... | <10 | 4 | <1 | 1 | 23 | <6 | <3 | 22 | 44 | 99 |

< Actual value is known to be less than the value shown.

## 08017035 CALCASIEU RIVER AT SALTWATER BARRIER CONTROL STRUCTURE (WEST SIDE), AT LAKE CHARLES, LA

LOCATION.--Lat 30°15'13", long 93°13'06", T.9 S., R.8 W., Calcasieu Parish, Hydrologic Unit 08080206, on northwest fender wall of lock at saltwater barrier control structure, and 1.9 mi north of Lake Charles.

DRAINAGE AREA.--Approximately 3,130 mi².

PERIOD OF RECORD.--October 1984 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1.54 ft below National Geodetic Vertical Datum of 1929 or 2.32 ft below mean low gulf level.

REMARKS.--Flow is regulated by saltwater barrier control structure and is tide and wind affected at all stages .

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height (recorded), 4.99 ft Oct. 21, 1985, but may have been higher during periods of no gage-height record; minimum, -1.16 ft Apr. 12, 1988.

EXTREMES FOR CURRENT PERIOD.--Maximum gage-height 4.53 ft Nov. 16; minimum -1.16 ft Apr. 12.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.07 | 2.35 | 2.09 | 1.70 | 2.89 | 1.89 | 2.88 | 2.83 | 2.56 | 2.31 | 2.21 | 2.51 |
| 2 | 2.34 | 2.29 | 2.12 | 1.42 | 3.00 | 2.54 | 2.86 | 2.92 | 2.37 | 2.21 | 2.22 | 2.71 |
| 3 | 1.60 | 2.28 | 2.25 | 2.41 | 2.62 | 2.61 | 2.97 | 2.90 | 2.19 | 2.15 | 2.12 | 3.01 |
| 4 | 1.86 | 2.31 | 1.99 | 1.86 | 1.99 | 1.92 | 3.03 | 2.14 | 2.19 | 2.07 | 2.19 | 3.19 |
| 5 | 2.14 | 2.32 | 2.16 | 1.87 | 1.64 | 2.16 | 2.77 | 1.83 | 2.20 | 2.01 | 2.08 | 2.80 |
| 6 | 1.93 | 2.03 | 2.83 | 2.24 | 1.83 | 2.26 | 1.91 | 2.04 | 2.20 | 2.32 | 2.03 | 2.76 |
| 7 | 1.56 | 2.67 | 2.91 | 2.43 | 2.37 | 2.29 | 1.91 | 2.17 | 2.10 | 2.78 | 1.74 | 2.69 |
| 8 | 1.84 | 2.82 | 2.68 | 1.64 | 2.09 | 2.65 | 2.02 | 2.68 | 2.28 | 2.89 | 1.27 | 2.79 |
| 9 | 2.31 | 2.85 | 2.67 | 2.19 | 2.09 | 2.37 | 2.03 | 2.53 | 2.22 | 2.99 | 1.52 | 2.79 |
| 10 | 2.14 | 1.25 | 2.61 | 1.82 | 2.23 | 2.21 | 1.62 | 2.09 | 1.87 | 2.95 | 2.02 | 2.81 |
| 11 | 2.04 | 1.19 | 2.47 | 2.01 | 1.69 | 2.79 | .19 | 1.95 | 2.02 | 2.75 | 2.83 | 2.71 |
| 12 | 1.51 | 1.77 | 2.30 | 2.30 | 1.06 | 2.76 | .00 | 1.88 | 2.26 | 2.79 | 2.63 | 2.73 |
| 13 | 1.75 | 1.84 | 2.68 | 1.56 | 1.63 | 1.98 | 1.14 | 2.10 | 2.49 | 2.71 | 2.60 | 2.73 |
| 14 | 2.13 | 2.23 | 3.11 | 1.64 | 2.07 | 1.49 | 1.55 | 1.88 | 2.66 | 2.50 | 2.75 | 2.59 |
| 15 | 2.35 | 2.86 | 1.53 | 2.16 | 1.88 | 1.64 | 1.74 | 1.90 | 2.48 | 2.35 | 2.52 | 3.11 |
| 16 | 2.30 | 4.07 | 1.43 | 2.44 | 1.88 | 1.99 | 2.03 | 1.90 | 2.28 | 2.17 | 2.10 | 3.75 |
| 17 | 2.14 | 3.09 | 1.81 | 2.64 | 2.64 | 2.66 | 2.68 | 1.80 | 2.13 | 2.01 | 2.14 | 3.86 |
| 18 | 1.93 | 2.95 | 2.29 | 2.43 | 3.09 | 1.77 | 2.74 | 1.67 | 1.94 | 1.95 | 2.35 | 3.55 |
| 19 | 2.11 | 2.88 | 2.72 | 3.02 | 2.64 | .90 | 1.86 | 1.79 | 1.96 | 2.24 | 2.08 | 3.19 |
| 20 | 2.16 | 2.55 | 2.23 | 2.49 | 2.30 | 1.44 | 2.07 | 1.95 | 2.10 | 2.23 | 2.05 | 2.83 |
| 21 | 1.28 | 2.62 | 2.18 | 1.80 | 2.01 | 1.45 | 2.42 | 2.28 | 2.24 | 2.01 | 2.06 | 2.66 |
| 22 | 2.33 | 3.17 | 2.52 | 1.75 | 2.29 | 1.54 | 2.52 | 2.44 | 2.42 | 1.95 | 2.02 | 2.63 |
| 23 | 2.61 | 3.14 | 2.71 | 1.88 | 2.19 | 1.85 | 2.33 | 1.77 | 2.28 | 1.95 | 2.12 | 2.56 |
| 24 | 2.79 | 2.96 | 2.90 | 2.04 | 1.73 | 2.28 | 1.98 | 1.72 | 2.71 | 1.90 | 2.05 | 2.54 |
| 25 | 2.34 | 3.22 | 2.92 | .74 | 2.10 | 2.39 | 2.16 | 1.46 | 3.04 | 1.89 | 2.10 | 2.17 |
| 26 | 2.62 | 2.91 | 2.73 | .99 | 2.04 | 1.97 | 1.86 | 1.88 | 2.44 | 1.84 | 2.23 | 2.06 |
| 27 | 2.16 | 2.68 | 2.20 | 1.08 | 1.86 | 1.87 | 1.71 | 2.19 | 2.26 | 1.94 | 2.36 | 2.15 |
| 28 | 2.12 | 2.12 | 1.62 | 1.44 | 1.74 | 2.36 | 2.02 | 2.47 | 2.10 | 2.02 | 2.37 | 2.23 |
| 29 | 2.31 | 2.46 | .93 | 1.82 | 1.90 | 2.49 | 2.95 | 2.61 | 2.16 | 2.16 | 2.27 | 2.45 |
| 30 | 2.36 | 2.51 | 2.05 | 2.32 | --- | 1.90 | 3.15 | 2.76 | 2.29 | 2.22 | 2.01 | 2.59 |
| 31 | 2.34 | --- | 2.47 | 2.33 | --- | 2.45 | --- | 2.71 | --- | 2.26 | 2.16 | --- |
| MAX | 2.79 | 4.07 | 3.11 | 3.02 | 3.09 | 2.79 | 3.15 | 2.92 | 3.04 | 2.99 | 2.83 | 3.86 |
| MIN | 1.28 | 1.19 | .93 | .74 | 1.06 | .90 | .00 | 1.46 | 1.87 | 1.84 | 1.27 | 2.06 |

## 08017075 CALCASIEU RIVER AT MOSS LAKE, LA

LOCATION.--Lat 30°06'13", long 93°19'46", T.11 S., R.10 W., Calcasieu Parish, Hydrologic Unit 08080206, at dock at Burton Landing, and 1.1 mi southeast of Moss Lake, 24.0 mi above mouth of Calcasieu River.

DRAINAGE AREA.--Approximately 3,240 $mi^2$.

PERIOD OF RECORD.--October 1984 to current year.

GAGE.--Water-stage recorder. Datum of gage is 5.42 ft below National Geodetic Vertical Datum of 1929 or 6.20 ft below mean low gulf level. Prior to Oct. 1, 1986 datum of gage was National Geodetic Vertical Datum of 1929.

REMARKS.--Flow is regulated by saltwater barrier control structure 15 mi upstream and is tide and wind affected at all stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 8.15 ft Mar. 17, 1987; minimum gage height (recorded), 3.54 ft Feb. 12, 1985, but may have been lower during periods of no gage-height record.

EXTREMES FOR CURRENT PERIOD.--Maximum gage height, 8.06 ft Nov. 16; minimum gage height, 2.22 ft Sept. 26.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.73 | 6.01 | --- | 5.38 | 6.37 | 5.63 | 6.60 | 6.52 | 6.27 | 5.98 | 5.92 | 6.22 |
| 2 | 6.03 | 5.99 | --- | 5.10 | 6.40 | 6.26 | 6.47 | 6.60 | 6.06 | 5.88 | 5.92 | 6.41 |
| 3 | 5.35 | 5.97 | --- | 5.98 | 6.10 | 6.29 | 6.62 | 6.58 | 5.91 | 5.82 | 5.83 | 6.68 |
| 4 | 5.57 | 6.02 | 5.66 | 5.46 | 5.54 | 5.61 | 6.65 | 5.64 | 5.90 | 5.78 | 5.90 | 6.66 |
| 5 | 5.84 | 6.02 | 5.90 | 5.50 | 5.26 | 5.86 | 6.42 | 5.50 | 5.92 | 5.71 | 5.75 | 6.40 |
| 6 | 5.65 | 5.74 | 6.54 | 5.88 | 5.48 | 5.96 | 5.58 | 5.73 | 5.91 | 6.02 | 5.70 | 6.45 |
| 7 | 5.28 | 6.35 | 6.45 | 5.99 | 5.97 | 6.01 | 5.56 | 5.87 | 5.80 | 6.45 | 5.42 | 6.37 |
| 8 | 5.55 | 6.49 | 6.24 | 5.28 | 5.75 | 6.30 | 5.70 | 6.32 | 5.94 | 6.54 | 4.95 | 6.48 |
| 9 | 6.02 | 6.51 | 6.26 | 5.76 | 5.77 | 5.89 | 5.71 | 6.19 | 5.87 | 6.65 | 5.22 | 6.45 |
| 10 | 5.85 | 4.92 | 6.23 | 5.45 | 5.92 | 5.79 | 5.33 | 5.76 | 5.57 | 6.57 | 5.71 | 6.50 |
| 11 | 5.74 | 4.86 | 6.10 | 5.67 | 5.32 | 6.40 | 3.95 | 5.67 | 5.71 | 6.38 | 6.30 | 6.40 |
| 12 | 5.23 | 5.46 | 5.96 | 5.91 | 4.78 | 6.36 | 3.84 | 5.61 | 5.95 | 6.43 | 6.15 | 6.45 |
| 13 | 5.48 | 5.51 | 6.35 | 5.20 | 5.32 | 5.62 | 4.74 | 5.80 | 6.21 | 6.36 | 6.15 | 6.45 |
| 14 | 5.84 | 5.89 | 6.72 | 5.36 | 5.79 | 5.14 | 5.23 | 5.59 | 6.37 | 6.16 | 6.32 | 6.34 |
| 15 | 6.07 | 6.51 | 5.23 | 5.79 | 5.52 | 5.26 | 5.45 | 5.61 | 6.19 | 6.02 | 6.12 | 6.83 |
| 16 | 6.01 | 7.44 | 5.18 | 6.11 | 5.57 | 5.63 | 5.74 | 5.60 | 5.98 | 5.85 | 5.76 | 7.47 |
| 17 | 5.83 | 6.38 | 5.52 | 6.26 | 6.30 | 6.33 | 6.37 | 5.49 | 5.82 | 5.69 | 5.84 | 7.27 |
| 18 | 5.62 | 6.42 | 5.94 | 6.10 | 6.68 | 5.41 | 6.42 | 5.38 | 5.65 | 5.64 | 6.01 | 7.22 |
| 19 | 5.81 | 6.44 | 6.37 | 6.67 | 6.15 | 4.55 | 5.61 | 5.49 | 5.67 | 5.92 | 5.76 | 6.83 |
| 20 | 5.86 | --- | 5.92 | 6.12 | 5.92 | 5.09 | 5.78 | 5.67 | 5.82 | 5.94 | 5.75 | 6.48 |
| 21 | 5.01 | --- | 5.81 | 5.47 | 5.65 | 5.15 | 6.11 | 5.93 | 5.96 | 5.68 | 5.73 | 6.31 |
| 22 | 6.03 | --- | 6.10 | 5.42 | 5.95 | 5.25 | 6.21 | 6.05 | 6.13 | 5.64 | 5.67 | 6.29 |
| 23 | 6.31 | --- | 6.28 | 5.54 | 5.88 | 5.57 | 6.05 | 5.44 | 6.01 | 5.61 | 5.78 | 6.24 |
| 24 | 6.51 | --- | 6.49 | 5.70 | 5.46 | 6.00 | 5.69 | 5.41 | 6.45 | 5.60 | 5.71 | 5.56 |
| 25 | 6.04 | --- | 6.53 | 4.39 | 5.76 | 6.05 | 5.89 | 5.16 | 6.73 | 5.55 | 5.74 | 5.84 |
| 26 | 6.30 | --- | 6.35 | 4.68 | 5.75 | 5.71 | 5.58 | 5.58 | 6.12 | 5.53 | 5.85 | 5.34 |
| 27 | 5.73 | --- | 5.86 | 4.77 | 5.56 | 5.64 | 5.47 | 5.88 | 5.93 | 5.59 | 6.01 | 5.85 |
| 28 | 5.74 | --- | 5.24 | 5.08 | 5.51 | 6.09 | 5.78 | 6.17 | 5.77 | 5.67 | 6.07 | 5.88 |
| 29 | 5.96 | --- | 4.63 | 5.49 | 5.62 | 6.21 | 6.72 | 6.33 | 5.83 | 5.82 | 5.97 | 6.15 |
| 30 | 5.99 | --- | 5.67 | 5.97 | --- | 5.66 | 6.89 | 6.47 | 5.96 | 5.90 | 5.73 | 6.27 |
| 31 | 6.00 | --- | 6.07 | 6.00 | --- | 6.13 | --- | 6.43 | --- | 5.94 | 5.88 | --- |
| MAX | 6.51 | 7.44 | 6.72 | 6.67 | 6.68 | 6.40 | 6.89 | 6.60 | 6.73 | 6.65 | 6.32 | 7.47 |
| MIN | 5.01 | 4.86 | 4.63 | 4.39 | 4.78 | 4.55 | 3.84 | 5.16 | 5.57 | 5.53 | 4.95 | 5.34 |

## 08023000 BAYOU CASTOR NEAR LOGANSPORT, LA

LOCATION.--Lat 31°58'25", long 93°58'10", in SW 1/4 NW 1/4 sec.1, T.11 N., R.16 W., De Soto Parish, Hydrologic Unit 12010004, near center of span on downstream side of bridge on U.S. Highway 84, 1.7 mi east of Logansport, and 2.5 mi upstream from Bayou Grand Cane.

DRAINAGE AREA.--96.5 mi$^2$.

PERIOD OF RECORD.--Water years 1966-1969, 1972-73, 1980 to current year.

PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT CONCENTRATIONS: January 1983 to September 1984.
SUSPENDED-SEDIMENT DISCHARGE: January 1983 to September 1984.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum daily mean, 320 mg/L Feb. 12, 1984; minimum daily mean, 0 mg/L Jan. 15-23, 1984.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 507 tons Feb. 6, 1983; minimum daily, 0.00 tons Aug. 25, Nov. 9, 12-18, 1983, Jan. 15-23, June 26-30, July 1, 2, 14, 22-30, Aug. 10-13, Sept. 23-27, 1984.

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | SPECIFIC CONDUCTANCE (US/CM) | PH (STANDARD UNITS) | TEMPERATURE WATER (DEG C) | COLOR (PLATINUM-COBALT UNITS) | TURBIDITY (NTU) | OXYGEN, DISSOLVED (MG/L) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) | STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) |
|---|---|---|---|---|---|---|---|---|---|---|
| JAN 1988 | | | | | | | | | | |
| 12... | 1315 | 214 | 6.94 | 6.0 | 60 | 14 | 12.9 | 3.6 | 100 | K550 |
| APR | | | | | | | | | | |
| 27... | 1100 | 241 | 6.96 | 18.0 | 60 | 9.2 | 7.4 | 1.9 | 96 | 1300 |

| DATE | HARDNESS TOTAL (MG/L AS CACO3) | CALCIUM DISSOLVED (MG/L AS CA) | MAGNESIUM, DISSOLVED (MG/L AS MG) | SODIUM, DISSOLVED (MG/L AS NA) | POTASSIUM, DISSOLVED (MG/L AS K) | ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DISSOLVED (MG/L AS SO4) | CHLORIDE, DISSOLVED (MG/L AS CL) |
|---|---|---|---|---|---|---|---|---|
| JAN 1988 | | | | | | | | |
| 12... | 46 | 10 | 5.0 | 20 | 3.3 | 20 | 27 | 27 |
| APR | | | | | | | | |
| 27... | 51 | 12 | 5.0 | 24 | 3.7 | 42 | 19 | 41 |

| DATE | FLUORIDE, DISSOLVED (MG/L AS F) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) | RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) | NITROGEN, TOTAL (MG/L AS N) | PHOSPHOROUS TOTAL (MG/L AS P) |
|---|---|---|---|---|---|---|---|---|
| JAN 1988 | | | | | | | | |
| 12... | <0.2 | 136 | 105 | 8 | 0.21 | 0.63 | 0.84 | 0.08 |
| APR | | | | | | | | |
| 27... | <0.2 | 139 | 130 | 0 | 0.28 | 0.63 | 0.91 | 0.16 |

| DATE | ARSENIC TOTAL (UG/L AS AS) | ARSENIC DISSOLVED (UG/L AS AS) | ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS) | BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) | BERYLLIUM, DISSOLVED (UG/L AS BE) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) | CADMIUM DISSOLVED (UG/L AS CD) | CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD) | CHROMIUM TOTAL RECOVERABLE (UG/L AS CR) | CHROMIUM RECOV. FM BOTTOM MATERIAL (UG/G) | CHROMIUM HEXAVALENT, DIS. (UG/L AS CR) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN 1988 | | | | | | | | | | | |
| 12... | <1 | <1 | 4 | <10 | <10 | 1 | 1 | <10 | <10 | <10 | <1 |

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal colony count).

## 08023000 BAYOU CASTOR NEAR LOGANSPORT, LA--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | COPPER, TOTAL RECOVERABLE (UG/L AS CU) | COPPER, DISSOLVED (UG/L AS CU) | COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU) | IRON, DISSOLVED (UG/L AS FE) | IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) | LEAD, DISSOLVED (UG/L AS PB) | LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB) | MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) | MERCURY DISSOLVED (UG/L AS HG) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN 1988 | | | | | | | | | | | |
| 12... | 4 | 4 | 3 | 240 | 3800 | <5 | <5 | 10 | 520 | 0.1 | <0.1 |

| DATE | MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) | NICKEL, DISSOLVED (UG/L AS NI) | SELENIUM, TOTAL (UG/L AS SE) | SELENIUM, DISSOLVED (UG/L AS SE) | VANADIUM, DISSOLVED (UG/L AS V) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) | ZINC, DISSOLVED (UG/L AS ZN) | ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN) | CARBON, ORGANIC DISSOLVED (MG/L AS C) | CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN 1988 | | | | | | | | | | | |
| 12... | <0.1 | 3 | <1 | <1 | <1 | <1 | 10 | 10 | 20 | 14 | 0.1 |

| DATE | PCB, TOTAL (UG/L) | PCB, TOTAL IN BOTTOM MATERIAL (UG/KG) | NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) | PCN, TOTAL IN BOTTOM MATERIAL (UG/KG) | ALDRIN, TOTAL (UG/L) | ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) | CHLORDANE, TOTAL (UG/L) | CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG) | DDD, TOTAL (UG/L) | DDD, TOTAL IN BOTTOM MATERIAL (UG/KG) | DDE, TOTAL (UG/L) | DDE, TOTAL IN BOTTOM MATERIAL (UG/KG) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN 1988 | | | | | | | | | | | | |
| 12... | <0.1 | <100 | <0.01 | <100 | <0.01 | <10 | <0.01 | <100 | <0.01 | <10 | <0.01 | <10 |

| DATE | DDT, TOTAL (UG/L) | DDT, TOTAL IN BOTTOM MATERIAL (UG/KG) | DIAZINON, TOTAL (UG/L) | DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG) | DIELDRIN TOTAL (UG/L) | DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) | ENDOSULFAN, TOTAL (UG/L) | ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG) | ENDRIN, TOTAL (UG/L) | ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) | ETHION, TOTAL (UG/L) | ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN 1988 | | | | | | | | | | | | |
| 12... | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 |

| DATE | HEPTACHLOR, TOTAL (UG/L) | HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG) | HEPTACHLOR EPOXIDE TOTAL (UG/L) | HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) | LINDANE TOTAL (UG/L) | LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG) | MALATHION, TOTAL (UG/L) | MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG) | METHOXYCHLOR, TOTAL (UG/L) | METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG) | METHYL PARATHION, TOTAL (UG/L) | METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN 1988 | | | | | | | | | | | | |
| 12... | 0.15 | <10 | <0.01 | <10 | 0.07 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 |

| DATE | METHYL TRITHION, TOTAL (UG/L) | METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG) | MIREX, TOTAL (UG/L) | MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG) | PARATHION, TOTAL (UG/L) | PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG) | PERTHANE TOTAL (UG/L) | PERTHANE IN BOTTOM MATERIAL (UG/KG) | TOXAPHENE, TOTAL (UG/L) | TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG) | TOTAL TRITHION (UG/L) | TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN 1988 | | | | | | | | | | | | |
| 12... | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.5 | <500 | <0.01 | <10 |

< Actual value is known to be less than the value shown.

## 08023080 BAYOU GRAND CANE NEAR STANLEY, LA

LOCATION.--Lat 31°58'45", long 93°56'02", in SW 1/4 SE 1/4 sec.6, T.11 N., R.15 W., De Soto Parish, Hydrologic Unit 12010004, near center of span on downstream side of bridge on U.S. Highway 84, 2.8 mi upstream from Bayou Castor, 2.9 mi west of Stanley, and 3.2 mi east of Logansport.

DRAINAGE AREA.--72.5 mi².

### WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1980 to current year.

GAGE.--Water-stage recorder. Datum of gage is 172.40 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Apr. 10-27, and May 1 to June 4, indefinite stage-discharge relationship. Feb. 12 to Mar. 2, and June 9-13, no gage-height record. Water-discharge records fair, except those for estimated daily discharges and periods of no gage-height record, which are poor.

AVERAGE DISCHARGE.--8 years, 57.6 ft³/s, 10.79 in/yr, 41,730 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,200 ft³/s Apr. 12, 1980, gage height, 14.18 ft; minimum, no flow at times all years.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base of 800 ft³/s and maximum (*):

| Date | Time | Discharge (ft³/s) | Gage height (ft) | Date | Time | Discharge (ft³/s) | Gage height (ft) |
|---|---|---|---|---|---|---|---|
| Dec. 28 | 0630 | 1,860 | 11.44 | Apr. 3 | 0430 | *1,930 | *11.49 |

Minimum, no flow many days.

DISCHARGE, IN CUBI FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .00 | 3.3 | 14 | 298 | 14 | e21 | 253 | e3.0 | e.04 | .00 | .32 | .00 |
| 2 | .00 | 3.2 | 13 | 279 | 16 | e20 | 706 | e2.3 | e.02 | .00 | .26 | .00 |
| 3 | .00 | 3.1 | 14 | 132 | 21 | 38 | 1460 | e2.0 | e.10 | .00 | .21 | .00 |
| 4 | .00 | 3.0 | 14 | 74 | 26 | 63 | 610 | e1.8 | e.35 | .00 | .17 | .00 |
| 5 | .00 | 2.9 | 15 | 58 | 21 | 37 | 109 | e1.4 | .70 | .00 | .12 | .00 |
| 6 | .00 | 2.8 | 19 | 35 | 18 | 22 | 14 | e1.0 | .86 | .52 | .08 | .00 |
| 7 | .00 | 2.7 | 230 | 28 | 15 | 18 | 7.5 | e.88 | .77 | .43 | .05 | .00 |
| 8 | .00 | 2.7 | 308 | 30 | 14 | 20 | 5.0 | e.72 | .65 | .17 | .02 | .00 |
| 9 | .00 | 2.8 | 265 | 35 | 13 | 33 | 3.9 | e.56 | e.50 | .21 | .00 | .00 |
| 10 | .00 | 3.0 | 59 | 39 | 13 | 48 | e3.2 | e.36 | e.36 | .20 | .01 | .00 |
| 11 | .00 | 3.0 | 19 | 61 | 14 | 29 | e2.3 | e.25 | e.25 | .19 | .18 | .00 |
| 12 | .00 | 2.9 | 16 | 48 | e14 | 19 | e2.0 | e.20 | e.20 | .22 | .12 | .00 |
| 13 | .00 | 2.8 | 14 | 46 | e13 | 17 | e1.6 | e.16 | e.17 | .27 | .14 | .00 |
| 14 | .00 | 2.8 | 14 | 52 | e13 | 16 | e1.4 | e.13 | .13 | .22 | .39 | .00 |
| 15 | .00 | 3.0 | 13 | 34 | e13 | 16 | e1.2 | e.10 | .09 | .15 | .35 | .00 |
| 16 | .00 | 8.2 | 14 | 25 | e14 | 16 | e1.1 | e.08 | .07 | .10 | .19 | .00 |
| 17 | .00 | 12 | 15 | 163 | e24 | 30 | e.92 | e.06 | .06 | .07 | .14 | .00 |
| 18 | .00 | 27 | 15 | 265 | e130 | 452 | e.80 | e.05 | .05 | .04 | .13 | .00 |
| 19 | .00 | 21 | 18 | 329 | e440 | 620 | e.70 | e.04 | .03 | .02 | .15 | .00 |
| 20 | .00 | 16 | 66 | 454 | e400 | 512 | e.60 | e.03 | .01 | .01 | .12 | .00 |
| 21 | .00 | 14 | 151 | 420 | e100 | 103 | e.52 | e.20 | .00 | .00 | .12 | .00 |
| 22 | .00 | 14 | 80 | 127 | e40 | 21 | e.44 | e.30 | .00 | .00 | .19 | .00 |
| 23 | .00 | 15 | 22 | 44 | e30 | 11 | e.40 | e.25 | .00 | .00 | .08 | .00 |
| 24 | .00 | 15 | 16 | 25 | e26 | 9.0 | e.37 | e.17 | .00 | .00 | .08 | .00 |
| 25 | .00 | 39 | 15 | 20 | e23 | 8.3 | e.35 | e.16 | .00 | .00 | .07 | .00 |
| 26 | .00 | 147 | 118 | 18 | e21 | 8.5 | e1.0 | e.14 | .00 | .00 | .06 | .00 |
| 27 | .00 | 167 | 671 | 16 | e20 | 9.7 | e2.0 | e.11 | .00 | .00 | .05 | .00 |
| 28 | .00 | 66 | 1550 | 15 | e21 | 8.9 | 3.0 | e.08 | .00 | .0 | .04 | .00 |
| 29 | .0 | 19 | 831 | 14 | e25 | 24 | 3.2 | e.09 | .00 | .06 | .02 | .00 |
| 30 | 2.9 | 15 | 450 | 14 | --- | 211 | 3.9 | e.06 | .00 | .23 | .01 | .00 |
| 31 | 3.5 | --- | 203 | 14 | --- | 320 | --- | e.05 | --- | .39 | .00 | --- |
| TOTAL | 6.40 | 639.2 | 5262 | 3212 | 1552 | 2781.4 | 3199.40 | 16.73 | 5.41 | 3.50 | 3.87 | 0.00 |
| MEAN | .21 | 21.3 | 170 | 104 | 53.5 | 89.7 | 107 | .54 | .18 | .11 | .12 | .00 |
| MAX | 3.5 | 167 | 1550 | 454 | 440 | 620 | 1460 | 3.0 | .86 | .52 | .39 | .00 |
| MIN | .00 | 2.7 | 13 | 14 | 13 | 8.3 | .35 | .03 | .00 | .00 | .00 | .00 |
| AC-FT | 13 | 1270 | 10440 | 6370 | 3080 | 5520 | 6350 | 33 | 11 | 6.9 | 7.7 | .0 |
| CFSM | .00 | .29 | 2.34 | 1.43 | .74 | 1.24 | 1.47 | .01 | .00 | .00 | .00 | .00 |
| IN. | .00 | .33 | 2.70 | 1.65 | .80 | 1.43 | 1.64 | .01 | .00 | .00 | .00 | .00 |

CAL YR 1987 TOTAL 25989.81 MEAN 71.2 MAX 2900 MIN .00 AC-FT 51550 CFSM .98 IN. 13.34
WTR YR 1988 TOTAL 16681.91 MEAN 45.6 MAX 1550 MIN .00 AC-FT 33090 CFSM .63 IN. 8.56

e Estimated.

## 08023080 BAYOU GRAND CANE NEAR STANLEY, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.21 | 4.51 | 4.48 | 7.85 | 4.45 | --- | 7.81 | 4.58 | 4.66 | 4.37 | 4.84 | 4.65 |
| 2 | 4.19 | 4.48 | 4.46 | 7.66 | 4.50 | --- | 9.79 | 4.60 | 4.64 | 4.34 | 4.83 | 4.63 |
| 3 | 4.16 | 4.46 | 4.49 | 6.20 | 4.65 | 4.91 | 11.07 | 4.63 | 4.68 | 4.30 | 4.81 | 4.62 |
| 4 | 4.12 | 4.44 | 4.50 | 5.51 | 4.77 | 5.27 | 9.78 | 4.60 | 4.68 | 4.26 | 4.80 | 4.61 |
| 5 | 4.09 | 4.42 | 4.52 | 5.29 | 4.66 | 4.89 | 6.61 | 4.58 | 4.72 | 4.24 | 4.78 | 4.58 |
| 6 | 4.06 | 4.39 | 4.64 | 4.93 | 4.55 | 4.60 | 5.21 | 4.56 | 4.79 | 4.69 | 4.76 | 4.55 |
| 7 | 4.04 | 4.38 | 7.25 | 4.80 | 4.47 | 4.49 | 4.90 | 4.56 | 4.79 | 4.84 | 4.73 | 4.52 |
| 8 | 4.01 | 4.37 | 8.01 | 4.85 | 4.42 | 4.53 | 4.69 | 4.58 | 4.78 | 4.75 | 4.70 | 4.48 |
| 9 | 3.99 | 4.40 | 7.61 | 4.94 | 4.40 | 4.81 | 4.56 | 4.59 | --- | 4.77 | 4.68 | 4.45 |
| 10 | 3.97 | 4.44 | 5.33 | 5.01 | 4.40 | 5.07 | 4.48 | 4.57 | --- | 4.77 | 4.67 | 4.42 |
| 11 | 3.94 | 4.44 | 4.68 | 5.32 | 4.43 | 4.73 | 4.49 | 4.58 | --- | 4.77 | 4.81 | 4.39 |
| 12 | 3.92 | 4.42 | 4.56 | 5.14 | --- | 4.53 | 4.50 | 4.59 | --- | 4.77 | 4.79 | 4.37 |
| 13 | 3.90 | 4.40 | 4.50 | 5.11 | --- | 4.46 | 4.50 | 4.61 | --- | 4.79 | 4.80 | 4.34 |
| 14 | 3.87 | 4.40 | 4.49 | 5.20 | --- | 4.43 | 4.52 | 4.61 | 4.74 | 4.77 | 4.88 | 4.31 |
| 15 | 3.85 | 4.41 | 4.48 | 4.91 | --- | 4.42 | 4.51 | 4.62 | 4.72 | 4.76 | 4.88 | 4.28 |
| 16 | 3.83 | 4.65 | 4.52 | 4.75 | --- | 4.43 | 4.51 | 4.63 | 4.70 | 4.74 | 4.82 | 4.30 |
| 17 | 3.82 | 4.77 | 4.52 | 6.51 | --- | 4.68 | 4.52 | 4.63 | 4.69 | 4.72 | 4.80 | 4.28 |
| 18 | 3.81 | 5.15 | 4.54 | 7.53 | --- | 8.95 | 4.58 | 4.63 | 4.68 | 4.70 | 4.79 | 4.25 |
| 19 | 3.80 | 4.76 | 4.61 | 8.09 | --- | 9.87 | 4.60 | 4.63 | 4.66 | 4.67 | 4.80 | 4.23 |
| 20 | 3.79 | 4.58 | 5.42 | 9.07 | --- | 9.39 | 4.66 | 4.64 | 4.64 | 4.66 | 4.79 | 4.19 |
| 21 | 3.78 | 4.50 | 6.50 | 8.31 | --- | 6.23 | 4.62 | 4.64 | 4.62 | 4.64 | 4.79 | 4.16 |
| 22 | 3.76 | 4.51 | 5.62 | 6.11 | --- | 5.05 | 4.59 | 4.67 | 4.59 | 4.61 | 4.81 | 4.13 |
| 23 | 3.74 | 4.53 | 4.74 | 5.07 | --- | 4.73 | 4.58 | 4.67 | 4.55 | 4.57 | 4.77 | 4.10 |
| 24 | 3.79 | 4.53 | 4.58 | 4.75 | --- | 4.62 | 4.56 | 4.67 | 4.51 | 4.53 | 4.77 | 4.07 |
| 25 | 3.88 | 4.98 | 4.52 | 4.64 | --- | 4.57 | 4.55 | 4.67 | 4.51 | 4.50 | 4.76 | 4.04 |
| 26 | 4.08 | 6.45 | 5.82 | 4.57 | --- | 4.58 | 4.50 | 4.66 | 4.51 | 4.50 | 4.75 | 4.01 |
| 27 | 4.19 | 6.67 | 9.87 | 4.52 | --- | 4.65 | 4.44 | 4.66 | 4.50 | 4.56 | 4.74 | 3.98 |
| 28 | 4.17 | 5.42 | 11.17 | 4.48 | --- | 4.61 | 4.38 | 4.65 | 4.47 | 4.67 | 4.73 | 3.95 |
| 29 | 4.17 | 4.66 | 10.34 | 4.45 | --- | 4.94 | 4.42 | 4.65 | 4.44 | 4.73 | 4.71 | 3.92 |
| 30 | 4.57 | 4.54 | 8.93 | 4.43 | --- | 7.44 | 4.57 | 4.65 | 4.41 | 4.81 | 4.70 | 3.90 |
| 31 | 4.54 | --- | 6.95 | 4.43 | --- | 8.35 | --- | 4.66 | --- | 4.87 | 4.67 | --- |
| MAX | 4.57 | 6.67 | 11.17 | 9.07 | --- | 9.87 | 11.07 | 4.67 | 4.79 | 4.87 | 4.88 | 4.65 |
| MIN | 3.74 | 4.37 | 4.46 | 4.43 | 4.40 | 4.42 | 4.38 | 4.56 | 4.41 | 4.24 | 4.67 | 3.90 |

## 08023080 BAYOU GRAND CANE NEAR STANLEY, LA--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1955-56, 1972-73, 1980 to current year.

PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT CONCENTRATIONS: February 1981 to September 1984.
SUSPENDED-SEDIMENT DISCHARGE: February 1981 to September 1984.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum daily mean, 372 mg/L Aug. 3, 1982; minimum daily mean, no flow on many days during Apr., Aug., Sept., Oct., Nov., Dec., 1981, Aug., Oct., Nov., 1982, Aug., Sept., 1983.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 583 tons Apr. 18, 1982; minimum daily, no flow on many days during Apr., Aug., Sept., Oct., Nov., Dec., 1981, Aug., Oct., Nov., 1982, Aug., Sept., 1983.

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | SPECIFIC CONDUCTANCE (US/CM) | PH (STANDARD UNITS) | TEMPERATURE WATER (DEG C) | COLOR (PLATINUM-COBALT UNITS) | TURBIDITY (NTU) | OXYGEN, DISSOLVED (MG/L) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) | COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) | STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) |
|---|---|---|---|---|---|---|---|---|---|---|
| JAN 1988 | | | | | | | | | | |
| 12... | 1530 | 236 | 6.85 | 4.5 | 70 | 12 | 12.8 | 3.8 | 80 | 270 |
| APR | | | | | | | | | | |
| 27... | 1040 | 250 | 6.93 | 18.0 | 70 | 14 | 6.8 | 2.7 | K2 | 94 |

| DATE | HARDNESS TOTAL (MG/L AS CACO3) | CALCIUM DISSOLVED (MG/L AS CA) | MAGNESIUM, DISSOLVED (MG/L AS MG) | SODIUM, DISSOLVED (MG/L AS NA) | POTASSIUM, DISSOLVED (MG/L AS K) | ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DISSOLVED (MG/L AS SO4) | CHLORIDE, DISSOLVED (MG/L AS CL) |
|---|---|---|---|---|---|---|---|---|
| JAN 1988 | | | | | | | | |
| 12... | 54 | 10 | 7.0 | 20 | 3.1 | 16 | 40 | 29 |
| APR | | | | | | | | |
| 27... | 57 | 13 | 6.0 | 25 | 3.4 | 43 | 25 | 29 |

| DATE | FLUORIDE, DISSOLVED (MG/L AS F) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) | RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) | NITROGEN, TOTAL (MG/L AS N) | PHOSPHOROUS TOTAL (MG/L AS P) |
|---|---|---|---|---|---|---|---|---|
| JAN 1988 | | | | | | | | |
| 12... | <0.2 | 144 | 119 | 7 | 0.13 | 0.65 | 0.78 | 0.07 |
| APR | | | | | | | | |
| 27... | 0.2 | 149 | 128 | 13 | 0.25 | 0.60 | 0.85 | 0.13 |

| DATE | ARSENIC TOTAL (UG/L AS AS) | ARSENIC DISSOLVED (UG/L AS AS) | ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS) | BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) | BERYLLIUM, DISSOLVED (UG/L AS BE) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) | CADMIUM DISSOLVED (UG/L AS CD) | CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) | CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G) | CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN 1988 | | | | | | | | | | | |
| 12... | <1 | <1 | 8 | <10 | <10 | <1 | <1 | <10 | <10 | <10 | <1 |

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal colony count).

## 08023080 BAYOU GRAND CANE NEAR STANLEY, LA--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | COPPER, TOTAL RECOVERABLE (UG/L AS CU) | COPPER, DISSOLVED (UG/L AS CU) | COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU) | IRON, DISSOLVED (UG/L AS FE) | IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) | LEAD, DISSOLVED (UG/L AS PB) | LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB) | MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) | MERCURY DISSOLVED (UG/L AS HG) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN 1988 | | | | | | | | | | | |
| 12... | 5 | 3 | 3 | 260 | 6100 | <5 | <5 | 20 | 160 | <0.1 | <0.1 |

| DATE | MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) | NICKEL, DISSOLVED (UG/L AS NI) | SELENIUM, TOTAL (UG/L AS SE) | SELENIUM, DISSOLVED (UG/L AS SE) | VANADIUM, DISSOLVED (UG/L AS V) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) | ZINC, DISSOLVED (UG/L AS ZN) | ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN) | CARBON, ORGANIC DISSOLVED (MG/L AS C) | CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN 1988 | | | | | | | | | | | |
| 12... | <0.1 | 4 | 3 | <1 | <1 | <1 | 10 | 10 | 20 | 12 | 0.4 |

| DATE | PCB, TOTAL (UG/L) | PCB, TOTAL IN BOTTOM MATERIAL (UG/KG) | NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) | PCN, TOTAL IN BOTTOM MATERIAL (UG/KG) | ALDRIN, TOTAL (UG/L) | ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) | CHLORDANE, TOTAL (UG/L) | CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG) | DDD, TOTAL (UG/L) | DDD, TOTAL IN BOTTOM MATERIAL (UG/KG) | DDE, TOTAL (UG/L) | DDE, TOTAL IN BOTTOM MATERIAL (UG/KG) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN 1988 | | | | | | | | | | | | |
| 12... | <0.1 | <100 | <0.01 | <100 | <0.01 | <10 | <0.01 | <100 | <0.01 | <10 | <0.01 | <10 |

| DATE | DDT, TOTAL (UG/L) | DDT, TOTAL IN BOTTOM MATERIAL (UG/KG) | DIAZINON, TOTAL (UG/L) | DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG) | DIELDRIN TOTAL (UG/L) | DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) | ENDOSULFAN, TOTAL (UG/L) | ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG) | ENDRIN, TOTAL (UG/L) | ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) | ETHION, TOTAL (UG/L) | ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN 1988 | | | | | | | | | | | | |
| 12... | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 |

| DATE | HEPTACHLOR, TOTAL (UG/L) | HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG) | HEPTACHLOR EPOXIDE TOTAL (UG/L) | HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) | LINDANE TOTAL (UG/L) | LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG) | MALATHION, TOTAL (UG/L) | MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG) | METHOXYCHLOR, TOTAL (UG/L) | METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG) | METHYL PARATHION, TOTAL (UG/L) | METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN 1988 | | | | | | | | | | | | |
| 12... | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | 0.01 | <10 | <0.01 | <10 | <0.01 | <10 |

| DATE | METHYL TRITHION, TOTAL (UG/L) | METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG) | MIREX, TOTAL (UG/L) | MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG) | PARATHION, TOTAL (UG/L) | PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG) | PERTHANE TOTAL (UG/L) | PERTHANE IN BOTTOM MATERIAL (UG/KG) | TOXAPHENE, TOTAL (UG/L) | TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG) | TOTAL TRITHION (UG/L) | TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN 1988 | | | | | | | | | | | | |
| 12... | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.1 | <500 | <0.01 | <10 |

< Actual value is known to be less than the value shown.

## 08023400 BAYOU SAN PATRICIO NEAR BENSON, LA

LOCATION.--Lat 31°52'30", long 93°39'30", in lot 38, T.10 N., R.13 W., De Soto Parish, Hydrologic Unit 12010004, near right bank on downstream side of bridge on State Highway 512, 2.2 mi east of Benson, and 3.9 mi upstream from Bear Creek.

DRAINAGE AREA.--80.2 $mi^2$.

### WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Annual maximums, water years, 1954-68. Occasional low-flow measurements, water years 1954-63, October 1977 to current year.

REVISED RECORDS.--WDR LA-80-1: 1958(M).

GAGE.--Water-stage recorder. Datum of gage is 208.67 ft above National Geodetic Vertical Datum of 1929. Oct. 29, 1953 to Sept. 30 , 1968, crest-stage gage at same site and datum.

REMARKS.--Estimated daily discharges. Indefinite stage-discharge relationship May 6-28. Water-discharge records fair, except those for estimated daily discharges, which are poor. Several measurements of water temperature were made during the year. Stream was dry Oct. 1-25, 27, June 1 to Aug. 10, and Aug. 27 to Sept. 30.

AVERAGE DISCHARGE.--11 years, 75.9 $ft^3/s$, 12.85 in/yr, 54,990 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21,300 $ft^3/s$ Sept. 20, 1958, gage height, 20.36 ft from rating curve extended above 8,400 $ft^3/s$ on basis of velocity-area study; no flow at times each year.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base of 1,500 $ft^3/s$ and maximum (*):

| Date | Time | Discharge ($ft^3/s$) | Gage height (ft) | Date | Time | Discharge ($ft^3/s$) | Gage height (ft) |
|---|---|---|---|---|---|---|---|
| Dec. 27 | 2130 | 2,850 | 16.47 | Apr. 2 | 1930 | *3,840 | *16.74 |

Minimum, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | .00 | 2.3 | 13 | 241 | 31 | 44 | 238 | 5.0 | .00 | .00 | .00 | .00 |
| 2 | .00 | 2.6 | 12 | 191 | 59 | 43 | 2540 | 6.4 | .00 | .00 | .00 | .00 |
| 3 | .00 | 2.2 | 11 | 95 | 305 | 122 | 1390 | 6.0 | .0 | .00 | .00 | .00 |
| 4 | .00 | 1.9 | 9.8 | 87 | 241 | 130 | 515 | 5.6 | .00 | .00 | .00 | .00 |
| 5 | .00 | 1.4 | 9.3 | 73 | 113 | 70 | 108 | 4.7 | .00 | .00 | .00 | .00 |
| 6 | .00 | 1.1 | 13 | e56 | 69 | 54 | 71 | e4.2 | .00 | .00 | .00 | .00 |
| 7 | .00 | .39 | 301 | e54 | 51 | 46 | 54 | e3.7 | .00 | .00 | .00 | .00 |
| 8 | .00 | .22 | 333 | e56 | 44 | 63 | 32 | e3.3 | .00 | .00 | .00 | .00 |
| 9 | .00 | 1.1 | 75 | e62 | 40 | 482 | 24 | e3.0 | .00 | .00 | .00 | .00 |
| 10 | .00 | 1.8 | 34 | e68 | 38 | 425 | 19 | e2.6 | .00 | .00 | .00 | .00 |
| 11 | .00 | 2.6 | 24 | e92 | 35 | 122 | 16 | e2.3 | .00 | .00 | 8.0 | .00 |
| 12 | .00 | 2.7 | 19 | e74 | 33 | 80 | 15 | e2.1 | .00 | .00 | 26 | .00 |
| 13 | .00 | 2.2 | 17 | e70 | 31 | 65 | 13 | e1.8 | .00 | .00 | 11 | .00 |
| 14 | .00 | 1.7 | 15 | e76 | 30 | 55 | 11 | e1.4 | .00 | .00 | 6.1 | .00 |
| 15 | .00 | 1.4 | 14 | e62 | 30 | 46 | 9.0 | e1.3 | .00 | .00 | 5.0 | .00 |
| 16 | .00 | 113 | 14 | e50 | 32 | 42 | 7.5 | e1.1 | .00 | .00 | 2.2 | .00 |
| 17 | .00 | 280 | 13 | e190 | 29 | 50 | 6.4 | e.90 | .00 | .00 | .01 | .00 |
| 18 | .00 | 74 | 12 | e300 | 134 | 602 | 5.6 | e.76 | .00 | .00 | .04 | .00 |
| 19 | .00 | 17 | 18 | e400 | 570 | 756 | 4.9 | e.64 | .00 | .00 | .13 | .00 |
| 20 | .00 | 9.5 | 139 | e470 | 534 | 414 | 4.0 | e.56 | .00 | .00 | .16 | .00 |
| 21 | .00 | 7.0 | 126 | e450 | 178 | 98 | 3.4 | e.52 | .00 | .00 | .17 | .00 |
| 22 | .00 | 5.6 | 49 | e200 | 93 | 61 | 2.9 | e1.0 | .00 | .00 | .18 | .00 |
| 23 | .00 | 5.9 | 33 | e80 | 73 | 46 | 2.6 | e1.3 | .00 | .00 | .19 | .00 |
| 24 | .00 | 7.9 | 26 | e60 | 62 | 39 | 2.2 | e1.2 | .00 | .00 | .16 | .00 |
| 25 | .00 | 60 | 25 | e52 | 53 | 39 | 2.1 | e1.0 | .00 | .00 | .12 | .00 |
| 26 | .02 | 268 | 235 | 40 | 49 | 40 | 1.7 | e.90 | .00 | .00 | .04 | .00 |
| 27 | .00 | 99 | 1870 | 36 | 46 | 33 | 1.3 | e.78 | .00 | .00 | .00 | .00 |
| 28 | .04 | 30 | 1840 | 33 | 46 | 27 | 2.6 | e.62 | .00 | .00 | .00 | .00 |
| 29 | 5.1 | 21 | 804 | 31 | 52 | 28 | 3.3 | .48 | .00 | .00 | .00 | .00 |
| 30 | 5.0 | 16 | 346 | 30 | --- | 205 | 4.5 | .25 | .00 | .00 | .00 | .00 |
| 31 | 1.8 | --- | 127 | 30 | --- | 350 | --- | .07 | --- | .00 | .00 | --- |
| TOTAL | 11.96 | 1039.51 | 6577.1 | 3809 | 3101 | 4677 | 5110.0 | 65.48 | 0.00 | 0.00 | 59.50 | 0.00 |
| MEAN | .39 | 34.7 | 212 | 123 | 107 | 151 | 170 | 2.11 | .00 | .00 | 1.92 | .00 |
| MAX | 5.1 | 280 | 1870 | 470 | 570 | 756 | 2540 | 6.4 | .00 | .00 | 26 | .00 |
| MIN | .00 | .22 | 9.3 | 30 | 29 | 27 | 1.3 | .07 | .00 | .00 | .00 | .00 |
| AC-FT | 24 | 2060 | 13050 | 7560 | 6150 | 9280 | 10140 | 130 | .0 | .0 | 118 | .0 |
| CFSM | .00 | .43 | 2.65 | 1.53 | 1.33 | 1.88 | 2.12 | .03 | .00 | .00 | .02 | .00 |
| IN. | .01 | .48 | 3.05 | 1.77 | 1.44 | 2.17 | 2.37 | .03 | .00 | .00 | .03 | .00 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| CAL YR 1987 | TOTAL 29860.48 | MEAN 81.8 | MAX 2270 | MIN .00 | AC-FT 59230 | CFSM 1.02 | IN. 13.85 |
| WTR YR 1988 | TOTAL 24450.55 | MEAN 66.8 | MAX 2540 | MIN .00 | AC-FT 48500 | CFSM .83 | IN. 11.34 |

e Estimated.

## 08023400 BAYOU SAN PATRICIO NEAR BENSON, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.27 | 6.70 | 7.47 | 12.53 | 7.96 | 7.94 | 12.48 | 7.26 | 7.72 | 7.38 | 7.33 | 7.85 |
| 2 | 6.27 | 6.78 | 7.34 | 11.85 | 8.87 | 7.87 | 16.32 | 7.38 | 7.67 | 7.34 | 7.30 | 7.85 |
| 3 | 6.26 | 6.73 | 7.25 | 10.04 | 13.16 | 10.04 | 15.84 | 7.35 | 7.81 | 7.29 | 7.27 | 7.86 |
| 4 | 6.25 | 6.69 | 7.18 | 9.83 | 12.45 | 10.27 | 14.56 | 7.31 | 7.87 | 7.28 | 7.23 | 7.87 |
| 5 | 6.25 | 6.62 | 7.13 | 9.45 | 10.47 | 8.80 | 11.00 | 7.23 | 7.82 | 7.29 | 7.20 | 7.84 |
| 6 | 6.25 | 6.57 | 7.31 | --- | 9.32 | 8.29 | 10.26 | 7.44 | 7.80 | 7.26 | 7.15 | 7.81 |
| 7 | 6.24 | 6.42 | 13.01 | --- | 8.74 | 8.02 | 9.75 | 7.46 | 7.79 | 7.23 | 7.10 | 7.77 |
| 8 | 6.23 | 6.37 | 13.49 | --- | 8.49 | 8.43 | 8.93 | 7.56 | 7.88 | 7.21 | 7.03 | 7.74 |
| 9 | 6.23 | 6.54 | 9.79 | --- | 8.37 | 14.26 | 8.51 | 7.60 | 7.93 | 7.28 | 6.95 | 7.70 |
| 10 | 6.23 | 6.67 | 8.47 | --- | 8.25 | 13.78 | 8.24 | 7.65 | 7.98 | 7.44 | 7.01 | 7.67 |
| 11 | 6.22 | 6.77 | 8.00 | --- | 8.14 | 10.09 | 8.07 | 7.62 | 7.99 | 7.47 | 8.17 | 7.70 |
| 12 | 6.21 | 6.78 | 7.75 | --- | 8.04 | 9.08 | 7.99 | 7.64 | 7.97 | 7.55 | 9.30 | 7.69 |
| 13 | 6.19 | 6.73 | 7.59 | --- | 7.96 | 8.65 | 7.89 | 7.67 | 7.94 | 7.63 | 8.44 | 7.67 |
| 14 | 6.18 | 6.66 | 7.49 | --- | 7.93 | 8.32 | 7.74 | 7.73 | 7.91 | 7.59 | 8.08 | 7.64 |
| 15 | 6.16 | 6.62 | 7.43 | --- | 7.91 | 8.01 | 7.60 | 7.81 | 7.88 | 7.54 | 7.97 | 7.63 |
| 16 | 6.13 | 10.29 | 7.43 | --- | 8.02 | 7.84 | 7.48 | 7.86 | 7.84 | 7.50 | 7.96 | 7.67 |
| 17 | 6.12 | 13.21 | 7.39 | --- | 7.90 | 8.08 | 7.39 | 7.89 | 7.81 | 7.46 | 8.03 | 7.69 |
| 18 | 6.10 | 9.89 | 7.31 | --- | 10.06 | 14.75 | 7.31 | 7.89 | 7.79 | 7.42 | 8.06 | 7.78 |
| 19 | 6.08 | 7.87 | 7.60 | --- | 14.80 | 15.39 | 7.24 | 7.89 | 7.77 | 7.41 | 8.10 | 7.75 |
| 20 | 6.06 | 7.41 | 11.20 | --- | 14.59 | 13.84 | 7.17 | 7.92 | 7.75 | 7.38 | 8.11 | 7.73 |
| 21 | 6.04 | 7.20 | 10.97 | --- | 11.10 | 10.27 | 7.10 | 7.90 | 7.71 | 7.35 | 8.11 | 7.70 |
| 22 | 6.00 | 7.08 | 9.07 | --- | 9.40 | 9.25 | 7.04 | 7.92 | 7.67 | 7.31 | 8.12 | 7.67 |
| 23 | 5.97 | 7.11 | 8.45 | --- | 8.89 | 8.77 | 7.01 | 7.90 | 7.64 | 7.26 | 8.12 | 7.64 |
| 24 | 6.05 | 7.28 | 8.14 | --- | 8.54 | 8.51 | 6.96 | 7.94 | 7.61 | 7.21 | 8.11 | 7.61 |
| 25 | 6.14 | 9.09 | 8.04 | --- | 8.27 | 8.50 | 6.94 | 7.92 | 7.58 | 7.20 | 8.09 | 7.58 |
| 26 | 6.25 | 13.09 | 11.17 | 8.35 | 8.10 | 8.55 | 6.89 | 7.90 | 7.55 | 7.29 | 8.06 | 7.55 |
| 27 | 6.28 | 10.41 | 16.09 | 8.17 | 8.01 | 8.25 | 6.83 | 7.88 | 7.52 | 7.31 | 8.03 | 7.51 |
| 28 | 6.31 | 8.43 | 16.08 | 8.04 | 8.01 | 7.97 | 7.01 | 7.86 | 7.49 | 7.35 | 7.99 | 7.48 |
| 29 | 6.97 | 7.94 | 15.38 | 7.97 | 8.21 | 7.98 | 7.08 | 7.82 | 7.46 | 7.38 | 7.95 | 7.45 |
| 30 | 7.03 | 7.66 | 13.30 | 7.94 | --- | 11.99 | 7.21 | 7.80 | 7.43 | 7.38 | 7.91 | 7.42 |
| 31 | 6.60 | --- | 10.82 | 7.94 | --- | 13.63 | --- | 7.77 | --- | 7.36 | 7.88 | --- |
| MAX | 7.03 | 13.21 | 16.09 | 12.53 | 14.80 | 15.39 | 16.32 | 7.94 | 7.99 | 7.63 | 9.30 | 7.87 |
| MIN | 5.97 | 6.37 | 7.13 | 7.94 | 7.90 | 7.84 | 6.83 | 7.23 | 7.43 | 7.20 | 6.95 | 7.42 |

## 08023400 BAYOU SAN PATRICIO NEAR BENSON, LA--Continued

### WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1955, 1972-73, 1978 to current year.

PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT CONCENTRATIONS: February 1981 to September 1985.
SUSPENDED-SEDIMENT DISCHARGE: February 1981 to September 1985.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum daily mean, 852 mg/L May 5, 1981; minimum daily mean, no flow on many days during 1981, 1982, 1983, 1984, and 1985.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 2820 tons June 8, 1981; minimum daily, no flow on many days during 1981, 1982, 1983, 1984, and 1985.

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | SPE-CIFIC CON-DUCT-ANCE (US/CM) | PH (STAND-ARD UNITS) | TEMPER-ATURE WATER (DEG C) | COLOR (PLAT-INUM-COBALT UNITS) | TUR-BID-ITY (NTU) | OXYGEN, DIS-SOLVED (MG/L) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) | STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) |
|---|---|---|---|---|---|---|---|---|---|---|
| JAN 1988 | | | | | | | | | | |
| 12... | 1130 | 145 | 6.80 | 5.0 | 60 | 14 | 12.1 | 3.9 | 48 | 220 |
| APR | | | | | | | | | | |
| 27... | 0945 | 152 | 6.76 | 17.5 | 100 | 23 | 8.0 | 3.0 | 46 | 96 |

| DATE | HARD-NESS TOTAL (MG/L AS CACO3) | CALCIUM DIS-SOLVED (MG/L AS CA) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) | SODIUM, DIS-SOLVED (MG/L AS NA) | POTAS-SIUM, DIS-SOLVED (MG/L AS K) | ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DIS-SOLVED (MG/L AS SO4) | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) |
|---|---|---|---|---|---|---|---|---|
| JAN 1988 | | | | | | | | |
| 12... | 29 | 6.0 | 3.5 | 14 | 2.5 | 13 | 19 | 23 |
| APR | | | | | | | | |
| 27... | 34 | 8.0 | 3.5 | 15 | 2.5 | 28 | 12 | 21 |

| DATE | FLUO-RIDE, DIS-SOLVED (MG/L AS F) | SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) | SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) | RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) | NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) | NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) | NITRO-GEN, TOTAL (MG/L AS N) | PHOS-PHOROUS TOTAL (MG/L AS P) |
|---|---|---|---|---|---|---|---|---|
| JAN 1988 | | | | | | | | |
| 12... | <0.2 | 87 | 76 | 18 | 0.22 | 0.62 | 0.84 | 0.70 |
| APR | | | | | | | | |
| 27... | <0.2 | -- | 80 | -- | 0.23 | 0.58 | 0.81 | 0.14 |

< Actual value is known to be less than the value shown.

## 08023400 BAYOU SAN PATRICIO NEAR BENSON, LA--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | ARSENIC TOTAL (UG/L AS AS) | ARSENIC DISSOLVED (UG/L AS AS) | ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS) | BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) | BERYLLIUM, DISSOLVED (UG/L AS BE) | CADMIUM TOTAL RECOVERABLE (UG/L AS CD) | CADMIUM DISSOLVED (UG/L AS CD) | CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD) | CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) | CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G) | CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN 1988 | | | | | | | | | | | |
| 12... | <1 | <1 | 1 | <10 | <10 | <1 | <1 | <10 | <10 | <10 | <1 |

| DATE | COPPER, TOTAL RECOVERABLE (UG/L AS CU) | COPPER, DISSOLVED (UG/L AS CU) | COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU) | IRON, DISSOLVED (UG/L AS FE) | IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE) | LEAD, TOTAL RECOVERABLE (UG/L AS PB) | LEAD, DISSOLVED (UG/L AS PB) | LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB) | MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G) | MERCURY TOTAL RECOVERABLE (UG/L AS HG) | MERCURY DISSOLVED (UG/L AS HG) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN 1988 | | | | | | | | | | | |
| 12... | 7 | 5 | 10 | 220 | 5100 | <5 | <5 | 50 | 270 | <0.1 | <0.1 |

| DATE | MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG) | NICKEL, TOTAL RECOVERABLE (UG/L AS NI) | NICKEL, DISSOLVED (UG/L AS NI) | SELENIUM, TOTAL (UG/L AS SE) | SELENIUM, DISSOLVED (UG/L AS SE) | VANADIUM, DISSOLVED (UG/L AS V) | ZINC, TOTAL RECOVERABLE (UG/L AS ZN) | ZINC, DISSOLVED (UG/L AS ZN) | ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN) | CARBON, ORGANIC DISSOLVED (MG/L AS C) | CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN 1988 | | | | | | | | | | | |
| 12... | <0.1 | 4 | <1 | <1 | <1 | <1 | 20 | 10 | 30 | 8.2 | 0.1 |

| DATE | PCB, TOTAL (UG/L) | PCB, TOTAL IN BOTTOM MATERIAL (UG/KG) | NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) | PCN, TOTAL IN BOTTOM MATERIAL (UG/KG) | ALDRIN, TOTAL (UG/L) | ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) | CHLORDANE, TOTAL (UG/L) | CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG) | DDD, TOTAL (UG/L) | DDD, TOTAL IN BOTTOM MATERIAL (UG/KG) | DDE, TOTAL (UG/L) | DDE, TOTAL IN BOTTOM MATERIAL (UG/KG) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN 1988 | | | | | | | | | | | | |
| 12... | <0.1 | <100 | <0.01 | <100 | <0.01 | <10 | <0.01 | <100 | <0.01 | <10 | <0.01 | <10 |

| DATE | DDT, TOTAL (UG/L) | DDT, TOTAL IN BOTTOM MATERIAL (UG/KG) | DIAZINON, TOTAL (UG/L) | DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG) | DIELDRIN TOTAL (UG/L) | DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) | ENDOSULFAN, TOTAL (UG/L) | ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG) | ENDRIN, TOTAL (UG/L) | ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) | ETHION, TOTAL (UG/L) | ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN 1988 | | | | | | | | | | | | |
| 12... | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 |

| DATE | HEPTACHLOR, TOTAL (UG/L) | HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG) | HEPTACHLOR EPOXIDE TOTAL (UG/L) | HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) | LINDANE TOTAL (UG/L) | LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG) | MALATHION, TOTAL (UG/L) | MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG) | METHOXYCHLOR, TOTAL (UG/L) | METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG) | METHYL PARATHION, TOTAL (UG/L) | METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN 1988 | | | | | | | | | | | | |
| 12... | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 |

| DATE | METHYL TRITHION, TOTAL (UG/L) | METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG) | MIREX, TOTAL (UG/L) | MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG) | PARATHION, TOTAL (UG/L) | PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG) | PERTHANE TOTAL (UG/L) | PERTHANE IN BOTTOM MATERIAL (UG/KG) | TOXAPHENE, TOTAL (UG/L) | TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG) | TOTAL TRITHION (UG/L) | TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN 1988 | | | | | | | | | | | | |
| 12... | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.5 | <500 | <0.01 | <10 |

< Actual value is known to be less than the value shown.

## 08025606 BAYOU TORO NEAR TOLEDO BEND RESERVOIR, NEAR TORO, LA

**LOCATION.**--Lat 31°12'12", long 93°32'39", on line between secs.25 and 36, T.2 N., R.11 W., Vernon Parish, Hydrologic Unit 12010005, near left bank on downstream side of bridge on State Highway 392, 1.8 mi upstream from mouth and 7.3 mi south of Toro.

**DRAINAGE AREA.**--205 mi².

**PERIOD OF RECORD.**--June 1966 to July 1974 low-flow measurements and occasional miscellaneous measurements October 1976 to current year (elevations only, discontinued).

**REVISED RECORDS.**--WDR LA-79-1: Drainage area.

**GAGE.**--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

**REMARKS.**--No elevations recorded below 91.80 ft. Oct. 1-25, Oct. 31 to Nov. 15, May 4, 12-20, May 26 to June 4, June 7 to July 4, July 12-20, 23-31, Aug. 4-10, and Aug. 17 to Sept. 30.

**EXTREMES FOR PERIOD OF RECORD.**--Maximum elevation, 113.73 ft May 22, 1983; minimum not determined.

**EXTREMES FOR CURRENT YEAR.**--Maximum elevation, 97.65 ft Apr. 2; minimum not determined.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 92.34 | 94.04 | 93.43 | 92.61 | 95.54 | 92.03 | | | 92.38 | |
| 2 | | | 92.24 | 93.50 | 93.73 | 92.58 | 97.27 | 92.00 | | | 91.98 | |
| 3 | | | 92.17 | 93.11 | 93.91 | 95.65 | 96.84 | 91.90 | | | 91.81 | |
| 4 | | | 92.12 | 92.80 | 93.82 | 94.83 | 96.29 | | | | | |
| 5 | | | 92.07 | 92.68 | 93.66 | 93.29 | 94.05 | 91.86 | 91.89 | 91.86 | | |
| 6 | | | 92.48 | 92.53 | 93.74 | 92.75 | 93.72 | 91.84 | 91.84 | 91.92 | | |
| 7 | | | 96.78 | 93.54 | 93.78 | 92.57 | 93.66 | 91.83 | | 92.30 | | |
| 8 | | | 95.42 | 93.93 | 93.08 | 93.24 | 93.10 | 91.82 | | 92.58 | | |
| 9 | | | 94.22 | 93.80 | 92.42 | 95.14 | 92.53 | 91.82 | | 92.09 | | |
| 10 | | | 92.85 | 93.52 | 92.35 | 94.36 | 92.43 | 91.81 | | 91.88 | | |
| 11 | | | 92.60 | 93.51 | 92.31 | 93.10 | 92.37 | 91.80 | | 91.80 | 92.27 | |
| 12 | | | 92.46 | 93.40 | 92.29 | 92.74 | 92.34 | | | | 93.21 | |
| 13 | | | 92.36 | 93.42 | 92.30 | 92.59 | 92.32 | | | | 92.70 | |
| 14 | | | 92.42 | 93.46 | 92.26 | 92.45 | 92.25 | | | | 92.09 | |
| 15 | | | 93.53 | 93.40 | 92.48 | 92.38 | 92.21 | | | | 91.93 | |
| 16 | | 94.34 | 93.83 | 93.39 | 92.86 | 92.33 | 92.17 | | | | 91.86 | |
| 17 | | 96.10 | 93.89 | 93.61 | 92.54 | 92.51 | 92.15 | | | | | |
| 18 | | 95.97 | 94.04 | 94.02 | 93.10 | 96.11 | 92.14 | | | | | |
| 19 | | 94.22 | 93.99 | 94.45 | 94.40 | 95.48 | 92.12 | | | | | |
| 20 | | 92.56 | 95.75 | 96.71 | 94.00 | 94.19 | 92.11 | | | | | |
| 21 | | 92.34 | 95.56 | 95.33 | 92.97 | 92.98 | --- | 91.85 | | 92.27 | | |
| 22 | | 92.23 | 93.66 | 93.81 | 92.65 | 92.76 | --- | 92.20 | | 91.95 | | |
| 23 | | 92.15 | 93.04 | 93.40 | 92.49 | 92.61 | --- | 92.21 | | | | |
| 24 | | 92.11 | 92.79 | 93.37 | 92.40 | 92.53 | --- | 92.00 | | | | |
| 25 | | 93.13 | 92.66 | 93 30 | 92.32 | 92.49 | --- | 91.86 | | | | |
| 26 | 91.94 | 95.26 | 92.76 | 93.39 | 92.30 | 92.67 | --- | | | | | |
| 27 | 92.13 | 94.62 | 96.06 | 93.29 | 92.93 | 92.65 | 91.93 | | | | | |
| 28 | 92.18 | 93.16 | 96.70 | 93.31 | 93.19 | 92.48 | 91.90 | | | | | |
| 29 | 91.94 | 92.76 | 95.83 | 93.41 | 93.30 | 92.35 | 91.91 | | | | | |
| 30 | 91.81 | 92.50 | 94.73 | 93.44 | --- | 93.74 | 92.03 | | | | | |
| 31 | | | 94.04 | 93.45 | --- | 96.02 | --- | | | | | |
| MAX | 92.18 | 96.10 | 96.78 | 96.71 | 94.40 | 96.11 | 97.27 | 92.21 | 91.89 | 92.58 | 93.21 | |
| MIN | | | 92.07 | 92.53 | 92.26 | 92.33 | 91.90 | | | | | |

## 08028000 BAYOU ANACOCO NEAR ROSEPINE, LA

LOCATION.--Lat 30°57'10", long 93°21'10", on line between secs.25 and 26, T.1 S., R.10 W., Vernon Parish, Hydrologic Unit 12010005, near center of span on downstream side of bridge on parish road from Rosepine to Evans, just downstream from Pocosin Creek, and 4.8 mi northwest of Rosepine.

DRAINAGE AREA.--365 mi².

PERIOD OF RECORD.--October 1951 to current year.

REVISED RECORDS.--WSP 2122: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 118.09 ft above National Geodetic Vertical Datum of 1929. Prior to Nov. 11, 1954, nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharges. Records good. Some effect from storage in Anacoco Lake (usable capacity, 41,300 acre-ft) except January 1956 to September 1958 and Vernon Lake (usable capacity, 58,0000 acre-ft) since May 1963. Occasional regulation July to September in most years caused temporary lowering of the reservoirs upstream. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--37 years, 457 ft³/s, 17.00 in/yr, 331,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 64,300 ft³/s May 19, 1953, gage height, 28.32 ft; minimum, 4.0 ft³/s Sept. 28, 29, 30, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,810 ft³/s Dec. 29, gage height, 18.93 ft; minimum, 13 ft³/s July 3, gage height, 2.91 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 42 | 23 | 668 | 1820 | 224 | 207 | 2070 | 116 | 21 | 17 | 23 | 19 |
| 2 | 29 | 21 | 494 | 1800 | 281 | 249 | 2170 | 91 | 21 | 16 | 18 | 22 |
| 3 | 25 | 22 | 382 | 1540 | 286 | 1770 | 2230 | 79 | 24 | 14 | 29 | 35 |
| 4 | 30 | 21 | 316 | 1150 | 291 | 2250 | 1620 | 71 | 33 | 60 | 29 | 92 |
| 5 | 22 | 20 | 268 | 457 | 346 | 2090 | 1040 | 67 | 35 | 119 | 19 | 68 |
| 6 | 20 | 23 | 256 | 311 | 489 | 1370 | 828 | 62 | 29 | 415 | 17 | 36 |
| 7 | 19 | 23 | 1840 | 889 | 399 | 927 | 666 | 55 | 25 | 161 | 17 | 26 |
| 8 | 18 | 20 | 2450 | 1340 | 333 | 944 | 497 | 49 | 23 | 111 | 29 | 20 |
| 9 | 18 | 46 | 2340 | 889 | 297 | 2270 | 393 | 46 | 21 | 86 | 19 | 18 |
| 10 | 17 | 70 | 1590 | 595 | 270 | 2230 | 328 | 45 | 20 | 62 | 19 | 17 |
| 11 | 17 | 60 | 1030 | 471 | 258 | 1610 | 286 | 44 | 20 | 48 | 348 | 19 |
| 12 | 17 | 47 | 742 | 407 | 250 | 1070 | 248 | 42 | 19 | 36 | 410 | 18 |
| 13 | 16 | 37 | 559 | 408 | 218 | 798 | 218 | 41 | 19 | 30 | 240 | 18 |
| 14 | 17 | 33 | 432 | 394 | 204 | 598 | 195 | 40 | 18 | 26 | 184 | 17 |
| 15 | 16 | 32 | 355 | 359 | 456 | 446 | 171 | 38 | 17 | 23 | 140 | 17 |
| 16 | 16 | 897 | 303 | 340 | 587 | 356 | 165 | 34 | 16 | 21 | 132 | 17 |
| 17 | 16 | 2520 | 256 | 513 | 384 | 320 | 154 | 32 | 16 | 21 | 108 | 23 |
| 18 | 16 | 2910 | 222 | 642 | 528 | 1830 | 137 | 30 | 16 | 30 | 81 | 32 |
| 19 | 16 | 3500 | 270 | 773 | 1260 | 2360 | 137 | 28 | 16 | 64 | 64 | 26 |
| 20 | 16 | 3260 | 1550 | 1230 | 1250 | 2150 | 133 | 28 | 15 | 117 | 52 | 21 |
| 21 | 16 | 1500 | 2400 | 898 | 843 | 1330 | 116 | 32 | 15 | 53 | 49 | 19 |
| 22 | 15 | 533 | 2940 | 526 | 624 | 909 | 105 | 48 | 15 | 32 | 62 | 18 |
| 23 | 17 | 394 | 2580 | 416 | 475 | 684 | 102 | 47 | 17 | 24 | 79 | 18 |
| 24 | 17 | 314 | 1420 | 351 | 408 | 547 | 103 | 37 | 16 | 20 | 53 | 17 |
| 25 | 21 | 603 | 959 | 314 | 326 | 479 | 101 | 32 | 44 | 18 | 44 | 16 |
| 26 | 54 | 1780 | 846 | 275 | 277 | 478 | 87 | 30 | 48 | 16 | 40 | 16 |
| 27 | 100 | 1750 | 2540 | 245 | 243 | 422 | 80 | 30 | 30 | 15 | 30 | 15 |
| 28 | 80 | 1510 | 3510 | 223 | 228 | 344 | 78 | 26 | 23 | 15 | 23 | 15 |
| 29 | 47 | 1340 | 3780 | 207 | 217 | 301 | 67 | 24 | 20 | 15 | 20 | 15 |
| 30 | 31 | 945 | 3420 | 198 | --- | 574 | 113 | 23 | 19 | 21 | 20 | 16 |
| 31 | 26 | --- | 2480 | 206 | --- | 1690 | --- | 22 | --- | 49 | 21 | --- |
| TOTAL | 827 | 24254 | 43198 | 20187 | 12262 | 33603 | 14638 | 1389 | 671 | 1755 | 2419 | 726 |
| MEAN | 26.7 | 808 | 1393 | 651 | 423 | 1084 | 488 | 44.8 | 22.4 | 56.6 | 78.0 | 24.2 |
| MAX | 100 | 3500 | 3780 | 1820 | 1260 | 2360 | 2230 | 116 | 48 | 415 | 410 | 92 |
| MIN | 15 | 20 | 222 | 198 | 204 | 207 | 67 | 22 | 15 | 14 | 17 | 15 |
| AC-FT | 1640 | 48110 | 85680 | 40040 | 24320 | 66650 | 29030 | 2760 | 1330 | 3480 | 4800 | 1440 |
| CFSM | .07 | 2.21 | 3.82 | 1.78 | 1.16 | 2.97 | 1.34 | .12 | .06 | .16 | .21 | .07 |
| IN. | .08 | 2.47 | 4.40 | 2.06 | 1.25 | 3.42 | 1.49 | .14 | .07 | .18 | .25 | .07 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| CAL YR 1987 | TOTAL 183417 | MEAN 503 | MAX 9840 | MIN 15 | AC-FT 363800 | CFSM 1.38 | IN. 18.69 |
| WTR YR 1988 | TOTAL 155929 | MEAN 426 | MAX 3780 | MIN 14 | AC-FT 309300 | CFSM 1.17 | IN. 15.89 |

## 08028000 BAYOU ANACOCO NEAR ROSEPINE, LA--CONTINUED

### GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988
### MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.25 | 3.05 | 7.16 | 12.36 | 4.60 | 4.49 | 13.37 | 3.84 | 3.03 | 2.97 | 3.05 | 3.02 |
| 2 | 3.12 | 3.03 | 6.27 | 12.30 | 4.99 | 4.74 | 13.80 | 3.65 | 3.02 | 2.96 | 2.99 | 3.06 |
| 3 | 3.07 | 3.04 | 5.64 | 11.19 | 5.02 | 12.12 | 14.05 | 3.56 | 3.06 | 2.93 | 3.12 | 3.20 |
| 4 | 3.13 | 3.02 | 5.22 | 9.45 | 5.05 | 14.12 | 11.53 | 3.50 | 3.16 | 3.40 | 3.12 | 3.66 |
| 5 | 3.05 | 3.01 | 4.90 | 6.03 | 5.41 | 13.44 | 8.94 | 3.46 | 3.19 | 3.84 | 3.00 | 3.49 |
| 6 | 3.02 | 3.06 | 4.82 | 5.18 | 6.25 | 10.44 | 7.95 | 3.43 | 3.12 | 5.78 | 2.98 | 3.21 |
| 7 | 3.00 | 3.05 | 12.38 | 8.13 | 5.74 | 8.41 | 7.15 | 3.37 | 3.08 | 4.16 | 2.97 | 3.11 |
| 8 | 2.99 | 3.01 | 14.89 | 10.31 | 5.33 | 8.46 | 6.39 | 3.32 | 3.05 | 3.80 | 3.11 | 3.04 |
| 9 | 2.98 | 3.29 | 14.45 | 8.23 | 5.10 | 14.18 | 5.70 | 3.29 | 3.03 | 3.61 | 3.01 | 3.01 |
| 10 | 2.98 | 3.49 | 11.38 | 6.79 | 4.92 | 14.03 | 5.29 | 3.29 | 3.02 | 3.42 | 3.00 | 2.99 |
| 11 | 2.97 | 3.41 | 8.88 | 6.15 | 4.83 | 11.46 | 5.02 | 3.27 | 3.01 | 3.30 | 5.31 | 3.02 |
| 12 | 2.97 | 3.30 | 7.53 | 5.79 | 4.78 | 9.06 | 4.77 | 3.25 | 3.00 | 3.19 | 5.77 | 3.01 |
| 13 | 2.96 | 3.20 | 6.61 | 5.79 | 4.56 | 7.80 | 4.56 | 3.25 | 3.00 | 3.13 | 4.71 | 3.01 |
| 14 | 2.97 | 3.16 | 5.93 | 5.71 | 4.47 | 6.80 | 4.40 | 3.23 | 2.99 | 3.08 | 4.33 | 3.00 |
| 15 | 2.97 | 3.15 | 5.47 | 5.50 | 6.07 | 6.01 | 4.24 | 3.21 | 2.98 | 3.05 | 4.02 | 2.99 |
| 16 | 2.96 | 7.90 | 5.14 | 5.38 | 6.75 | 5.47 | 4.20 | 3.18 | 2.97 | 3.03 | 3.97 | 3.00 |
| 17 | 2.96 | 15.15 | 4.82 | 6.36 | 5.64 | 5.24 | 4.12 | 3.16 | 2.96 | 3.03 | 3.79 | 3.07 |
| 18 | 2.97 | 16.66 | 4.59 | 7.02 | 6.38 | 12.32 | 3.99 | 3.14 | 2.96 | 3.13 | 3.58 | 3.18 |
| 19 | 2.96 | 18.29 | 4.87 | 7.66 | 9.97 | 14.55 | 4.00 | 3.12 | 2.96 | 3.42 | 3.46 | 3.11 |
| 20 | 2.96 | 17.67 | 11.21 | 9.80 | 9.91 | 13.71 | 3.97 | 3.11 | 2.95 | 3.84 | 3.36 | 3.05 |
| 21 | 2.95 | 10.86 | 14.69 | 8.36 | 8.02 | 10.24 | 3.84 | 3.15 | 2.95 | 3.35 | 3.33 | 3.03 |
| 22 | 2.94 | 6.47 | 16.77 | 6.44 | 6.94 | 8.33 | 3.75 | 3.31 | 2.95 | 3.15 | 3.44 | 3.01 |
| 23 | 2.97 | 5.71 | 15.38 | 5.84 | 6.17 | 7.24 | 3.73 | 3.29 | 2.98 | 3.06 | 3.57 | 3.00 |
| 24 | 2.98 | 5.20 | 10.64 | 5.45 | 5.79 | 6.55 | 3.74 | 3.20 | 2.96 | 3.02 | 3.37 | 2.99 |
| 25 | 3.03 | 6.66 | 8.56 | 5.21 | 5.28 | 6.20 | 3.72 | 3.15 | 3.26 | 2.98 | 3.29 | 2.99 |
| 26 | 3.36 | 12.19 | 8.04 | 4.95 | 4.96 | 6.19 | 3.62 | 3.13 | 3.31 | 2.96 | 3.25 | 2.98 |
| 27 | 3.72 | 12.07 | 15.17 | 4.75 | 4.74 | 5.83 | 3.57 | 3.13 | 3.13 | 2.95 | 3.15 | 2.97 |
| 28 | 3.56 | 11.07 | 18.31 | 4.60 | 4.63 | 5.40 | 3.55 | 3.09 | 3.06 | 2.95 | 3.07 | 2.97 |
| 29 | 3.30 | 10.30 | 18.87 | 4.49 | 4.56 | 5.12 | 3.46 | 3.07 | 3.02 | 2.94 | 3.03 | 2.97 |
| 30 | 3.15 | 8.50 | 18.08 | 4.43 | --- | 6.63 | 3.81 | 3.05 | 3.00 | 3.01 | 3.03 | 2.98 |
| 31 | 3.09 | --- | 15.02 | 4.43 | --- | 11.82 | --- | 3.04 | --- | 3.31 | 3.04 | --- |
| MAX | 3.72 | 18.29 | 18.87 | 12.36 | 9.97 | 14.55 | 14.05 | 3.84 | 3.31 | 5.78 | 5.77 | 3.66 |
| MIN | 2.94 | 3.01 | 4.59 | 4.43 | 4.47 | 4.49 | 3.46 | 3.04 | 2.95 | 2.93 | 2.97 | 2.97 |

## 08028200 BAYOU ANACOCO NEAR KNIGHT, LA

LOCATION.--Lat 30°52'14", long 93°30'38", in SE1/4 sec.20, T.2 S., R.11 W., Beauregard-Vernon Parish line, near right bank of low-water channel at downstream side of bridge on State Highway 111, 4.9 mi southwest of Knight, and 5.2 mi upstream from mouth.

DRAINAGE AREA.--425 mi$^2$.

PERIOD OF RECORD.--Water years 1958, 1961, 1969 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: December 1969 to September 1972.
WATER TEMPERATURES: December 1969 to September 1971.
COLOR: December 1969 to July 1972.

REMARKS.--Some effect from storage in Anacoco Lake (usable capacity, 41,300 acre-ft) except January 1956 to September 1958 and Lake Vernon (usable capacity, 58,000 acre-ft) since May 1963. Water used by paper mill at De Ridder is pumped from wells and discharged later as waste into bayou above station. This discharge is not continuous but is stored in a reservoir and is released whenever flow of bayou is sufficient to dilute effluent from mill.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 910 micromhos Oct. 31, 1970; minimum daily, 40 micromhos Jan. 1, 1970, Jan. 7, 1972.
WATER TEMPERATURES: Maximum daily, 33.0°C June 15, 1970; minimum daily, 7.0°C Jan. 9, 10, 1970.
COLOR: Maximum daily, 600 units Mar. 16, 1971; minimum daily, 5 units June 20, 27-30, 1970.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--A water temperature of 6.0°C was observed Jan. 19, 1984.

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | SPECIFIC CONDUCTANCE (US/CM) | PH (STANDARD UNITS) | TEMPERATURE WATER (DEG C) | COLOR (PLATINUM-COBALT UNITS) | TURBIDITY (NTU) | OXYGEN, DISSOLVED (MG/L) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) |
|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | |
| 07... | 1230 | 822 | 7.10 | 20.0 | 200 | 3.1 | 7.8 | 2.3 | 560 |
| APR | | | | | | | | | |
| 12... | 1145 | 243 | 6.30 | 17.0 | 75 | 13 | 8.2 | 3.9 | 84 |

| DATE | STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) | HARDNESS TOTAL (MG/L AS CACO3) | CALCIUM DISSOLVED (MG/L AS CA) | MAGNESIUM, DISSOLVED (MG/L AS MG) | SODIUM, DISSOLVED (MG/L AS NA) | POTASSIUM, DISSOLVED (MG/L AS K) | ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DISSOLVED (MG/L AS SO4) | CHLORIDE, DISSOLVED (MG/L AS CL) |
|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | |
| 07... | 7300 | 60 | 20 | 2.5 | 140 | 6.1 | 75 | 150 | 95 |
| APR | | | | | | | | | |
| 12... | 650 | 22 | 7.0 | 1.0 | 34 | 2.1 | 27 | 37 | 25 |

| DATE | FLUORIDE, DISSOLVED (MG/L AS F) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) | RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) | NITROGEN, NO2+NO3 TOTAL (MG/L AS N) | NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) | NITROGEN, TOTAL (MG/L AS N) | PHOSPHOROUS TOTAL (MG/L AS P) |
|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | |
| 07... | 0.1 | 528 | 459 | -- | 1.2 | 1.0 | 2.2 | 0.21 |
| APR | | | | | | | | |
| 12... | 0.2 | 145 | 123 | 20 | 0.21 | 1.0 | 1.2 | 0.12 |

## 08028200 BAYOU ANACOCO NEAR KNIGHT, LA--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | ARSENIC TOTAL (UG/L AS AS) | ARSENIC DIS-SOLVED (UG/L AS AS) | ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS) | BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE) | BERYL-LIUM, DIS-SOLVED (UG/L AS BE) | CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) | CADMIUM DIS-SOLVED (UG/L AS CD) | CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD) | CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) | CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G) | CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 07... | <1 | <1 | 1 | <10 | <10 | 1 | <1 | <1 | <10 | 20 | <1 |

| DATE | COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) | COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU) | IRON, DIS-SOLVED (UG/L AS FE) | IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE) | LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) | LEAD, DIS-SOLVED (UG/L AS PB) | LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB) | MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G) | MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) | MERCURY DIS-SOLVED (UG/L AS HG) | MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 07... | 4 | 1 | 400 | 100 | 20 | 5 | <10 | 53 | <0.1 | <0.1 | <0.1 |

| DATE | NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) | NICKEL, DIS-SOLVED (UG/L AS NI) | SELE-NIUM, TOTAL (UG/L AS SE) | SELE-NIUM, DIS-SOLVED (UG/L AS SE) | VANA-DIUM, DIS-SOLVED (UG/L AS V) | ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) | ZINC, DIS-SOLVED (UG/L AS ZN) | ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN) | CARBON, ORGANIC DIS-SOLVED (MG/L AS C) | CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 07... | 3 | <1 | <1 | <1 | 3 | 30 | 30 | <10 | 24 | 0.5 |

| DATE | PCB, TOTAL (UG/L) | PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) | NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L) | PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) | ALDRIN, TOTAL (UG/L) | ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) | CHLOR-DANE, TOTAL (UG/L) | CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) | DDD, TOTAL (UG/L) | DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) | DDE, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 07... | <0.1 | <100 | <1 | <100 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 |

| DATE | DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) | DDT, TOTAL (UG/L) | DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) | DI-AZINON, TOTAL (UG/L) | DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) | DI-ELDRIN TOTAL (UG/L) | DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) | ENDO-SULFAN, TOTAL (UG/L) | ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) | ENDRIN, TOTAL (UG/L) | ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | | |
| 07... | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 |

< Actual value is known to be less than the value shown.

## 08028200 BAYOU ANACOCO NEAR KNIGHT, LA--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | ETHION, TOTAL (UG/L) | ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG) | HEPTACHLOR, TOTAL (UG/L) | HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG) | HEPTACHLOR EPOXIDE TOTAL (UG/L) | HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) | LINDANE TOTAL (UG/L) | LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG) | MALATHION, TOTAL (UG/L) | MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 07... | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 |

| DATE | METHOXYCHLOR, TOTAL (UG/L) | METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG) | METHYL PARATHION, TOTAL (UG/L) | METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG) | METHYL TRITHION, TOTAL (UG/L) | METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG) | MIREX, TOTAL (UG/L) | MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG) | PARATHION, TOTAL (UG/L) | PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 07... | <0.01 | <10 | <0.01 | <10 | 0.02 | <10 | <0.01 | <10 | 0.02 | <10 |

| DATE | PERTHANE TOTAL (UG/L) | PERTHANE IN BOTTOM MATERIAL (UG/KG) | TOXAPHENE, TOTAL (UG/L) | TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG) | TOTAL TRITHION (UG/L) | TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG) | 2,4-D, TOTAL (UG/L) | 2, 4-DP TOTAL (UG/L) | 2,4,5-T TOTAL (UG/L) | SILVEX, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| OCT 1987 | | | | | | | | | | |
| 07... | <0.01 | <10 | <0.5 | <500 | <0.01 | <10 | <0.1 | <0.1 | 0.6 | 0.3 |

< Actual value is known to be less than the value shown.

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than at stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at partial-record stations are presented in two tables. The first is a table of annual maximum stage and discharge at crest-stage stations, and the second is a table of peak elevation at flood profile stations. Discharge measurements made at miscellaneous sites for both low flow and high flow; and discharge measurements made for a seepage study are presented following the partial-record tables.

## CREST-STAGE PARTIAL-RECORD STATIONS

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained, and discharge measurements may have been made for purposes of establishing the stage-discharge relation but these are not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

## PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

### ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1988

| Station No. | Station name | Location | Drainage area (mi²) | Period of record | Annual maximum Date | Annual maximum Gage height (ft) | Annual maximum Discharge (ft³/s) |
|---|---|---|---|---|---|---|---|
| | | RED RIVER BASIN | | | | | |
| 07348725 | Indian Creek at Shongaloo, La. | Lat 32°55'55", long 93°17'30", Webster Parish, at bridge on State Highway 159, and 0.8 mi southeast of Shongaloo. | 33.1 | 1966-88 | 12-16-87 | 42.76 | 1,720 |
| 07351670 | Rambin Bayou near Frierson, La. | Lat 32°13'25", long 93°42'15", De Soto Parish, at bridge on State Highway 175, and 1.75 mi south of Frierson. | 59.6 | 1966-88 | 2-19-88 | 9.93 | 2,250 |
| 07352400 | Kepler Creek at Sparta, La. | Lat 32°22'05", long 93°05'35", Bienville Parish, at bridge on State Highway 507, and 0.8 mi west of Sparta. | 21.1 | 1954-68,<br>1974-88 | 4- 1-88 | a182.89 | 712 |
| 07353990 | Kisatchie Bayou at Kisatchie, La. | Lat 31°25'20", long 93°10'14", Natchitoches Parish, at bridge on State Highway 117 and 0.6 mi north of Kisatchie. | 37.3 | 1966-88 | 11-16-87 | 23.16 | 5,400 |
| 07364870 | Sugar Creek near Arcadia, La. | Lat 32°41'20", long 92°51'30", Claiborne-Lincoln Parish line, at bridge on State Highway 146, and 10.3 mi northeast of Arcadia. | b47 | 1966-88 | 4- 2-88 | 44.21 | 2,160 |
| 07366403 | Bayou Choudrant tributary near Tremont, La. | Lat 32°31'55", long 92°27'55", Lincoln Parish, at culvert on Interstate Highway 20, and 1.1 mi northwest of Tremont. | 0.54 | 1966-88 | 1988 | | (c) |
| 07366420 | Bayou Choudrant near Calhoun, La. | Lat 32°32'35", long 92°22'50", Ouachita Parish, at bridge on State Highway 151, and 2.5 mi northwest of Calhoun. | 113 | 1966-88 | 12-27-87 | 43.58 | 3,950 |
| 07367250 | Guyton Creek near Eros, La. | Lat 32°25'25", long 92°21'30", Ouachita Parish, at culvert on State Highway 546, and 4.3 mi east of Eros. | 8.76 | 1968-88 | 12-27-87 | 10.55 | 571 |

See footnotes at end of the table.

## ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1988--CONTINUED

| Station No. | Station name | Location | Drainage area ($\mathrm{mi}^2$) | Period of record | Annual maximum |  |  |
|---|---|---|---|---|---|---|---|
|  |  |  |  |  | Date | Gage height (ft) | Discharge ($\mathrm{ft}^3$/s) |
|  |  | RED RIVER BASIN--CONTINUED |  |  |  |  |  |
| 07369360 | Bushley Creek at Manifest, La. | Lat 31°42'50", long 91°57'10" Catahoula Parish, at bridge on State Highway 8, and 0.5 mi east of Manifest. | 64.7 | 1984-88 | 11-16-87 | 42.94 | 15,500 |
| 07370600 | Beaucoup Creek near Cotton Plant, La. | Lat 32°06'40", long 92°19'20", Winn Parish, at bridge on State Highway 126, and 3.3 mi west of Cotton Plant. | 127 | 1951-68,<br>1974-88 | 11-16-87 | 12.99 | 9,500 |
| 07372110 | Brushy Creek near Joyce, La. | Lat 31°55'10", long 92°33'15", Winn Parish, at bridge on U.S. Highway 84, and 3.0 mi southeast of Joyce. | b24 | 1965-88 | 11-16-87 | 47.77 | 16,000 |
|  |  | THOMPSON CREEK BASIN |  |  |  |  |  |
| 07373450 | Thompson Creek at Jackson, La. (station discontinued). | Lat 30°50'25", long 91°13'35", East Feliciana-West Feliciana Parish line, at bridge on State Highway 10, and 0.5 mi west of Jackson. | 99.3 | 1949-59,<br>1972-73,<br>1975-88 | 9- 5-88 | a87.05 | 16,200 |
| 07373640 | Hammer Creek tributary near Jackson, La. (station discontinued). | Lat 30°50'40", long 91°17'35", West Feliciana Parish, at culvert on State Highway 10, 2.8 mi east of Elm Park, and 4.7 mi west of Jackson. | .20 | 1968-88 | 4- 3-88 | 5.12 | 252 |
|  |  | MISSISSIPPI RIVER DELTA |  |  |  |  |  |
| 07375222 | Abita River north of Abita Springs, La. | Lat 30°28'55", long 90°02'20", St. Tammany Parish, at bridge on State Highway 36, and 0.2 mi north of village of Abita Springs. | 46.1 | 1966-88 | 4- 3-88 | a23.15 | 3,830 |
| 07375307 | Terrys Creek near Kentwood, La. | Lat 30°57'23", long 90°30'13", Tangipahoa Parish, at bridge on U.S. Highway 51, and 5.1 mi northeast of Kentwood. | 52.0 | 1966-88 | 2- 3-88<br>4- 3-88 | 10.99<br>10.99 | 2,230<br>2,230 |
| 07377210 | Sandy Creek near Pride, La. | Lat 30°40'14", long 90°57'36", East Baton Rouge Parish, at bridge on Carson Road, 0.8 mi east of intersection of Carson Road with State Highway 409, and 1.9 mi southeast of Pride. | 69.9 | 1976-88 | 4- 3-88 | a88.52 | 2,970 |
| 07378070 | Beaver Bayou near Fred, La. (station discontinued). | Lat 30°37'32", long 91°03'08", East Baton Rouge Parish, at bridge on State Highway 946, 0.2 mi southwest of intersection of State Highways 64 and 946, and 3.6 mi southeast of Fred. | 0.17 | 1975-88 | 1988 | <11.6 | (d) |
| 07379085 | North Branch Ward Creek tributary at Baton Rouge, La. (station discontinued). | Lat 30°26'43", long 91°05'26", East Baton Rouge Parish, at culvert on U.S. Highway 61 at Baton Rouge, and 0.2 mi upstream from mouth. | .13 | 1969-88 | 8-21-88 | 11.34 | 104 |
|  |  | MERMENTAU RIVER BASIN |  |  |  |  |  |
| 08011800 | Castor Creek near Oberlin, La. | Lat 30°37'10", long 92°37'10", Allen Parish, at bridge on Parish road 0.1 mi upstream from Mulberry Creek, and 8.5 mi east of Oberlin. | 43.9 | 1964-88 | 3-10-88 | a39.50 | 390 |

See footnotes at end of the table.

## ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1988--CONTINUED

| | | | | | Annual maximum | | |
|---|---|---|---|---|---|---|---|
| Station No. | Station name | Location | Drainage area (mi²) | Period of record | Date | Gage height (ft) | Dis-charge (ft³/s) |
| | | **CALCASIEU RIVER BASIN** | | | | | |
| 08013610 | Whisky Chitto Creek tributary near Leesville, La. | Lat 31°06'55", long 93°09'50", Vernon Parish, at culvert on Ninth Street in North Fort Polk, and 3.2 mi upstream from mouth. | 0.32 | 1966-88 | 12-27-87 | 7.58 | 218 |
| 08015200 | Dry Creek at Dry Creek, La. | Lat 30°39'25", long 93°02'45", Beauregard Parish, at bridge on State Highway 113, and 1.0 mi south of Dry Creek. | 42.7 | 1954-68,<br>1975-88 | 11-17-87 | 24.35 | 6,760 |
| | | **SABINE RIVER BASIN** | | | | | |
| 08024030 | Bayou Scie at Zwolle, La. | Lat 31°37'45", long 93°37'40", Sabine Parish, at bridge on U.S. Highway 171, and 1.0 mi east of Zwolle. | 45.9 | 1950-68,<br>1974-88 | 12- 7-87 | 12.05 | 2,830 |
| 08025850 | Pearl Creek at State Highway 111, at Burr Ferry, La. | Lat 31°04'32", long 93°29'22", Vernon Parish, at bridge on State Highway 111, and 0.8 mi northeast of Burr Ferry. | 9.66 | 1967-88 | 11-16-87 | 8.68 | 1,230 |

< Less than amount shown.
a Elevation; National Geodetic Vertical Datum (NGVD) of 1929.
b Approximately.
c Missing record.
d Discharge not determined.

The following table contains annual maximum elevation for flood-profile stations. A flood-profile gage is a device which will register the peak elevation occurring between inspections. The date of the maximum elevation is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Where two or more sites on the same stream have annual peaks caused by different floods, all floods are listed for each site. The years given in the period of record represent water years for which the annual maximum has been determined.

### ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1988

| Station No. | Station name | Location | Drainage area (mi²) | Period of record | Flood peak Date | Flood peak Elevation in ft (NGVD) |
|---|---|---|---|---|---|---|
| | | **PEARL RIVER BASIN** | | | | |
| 02491800 | Bogue Chitto at Enon, La. | Lat 30°43'10", long 90°05'00", Washington Parish, at bridge on State Highway 437, and 0.5 mi south of Enon. | 1,107 | 1950-63,<br>1973-88 | 3-27-88<br>4- 3-88 | 117.61<br>116.04 |
| | | **RED RIVER BASIN** | | | | |
| 07348010 | Twelvemile Bayou below Dixie, La. | Lat 32°36'25", long 93°48'35", Caddo Parish, at bridge on U.S. Highway 71, and 6.0 mi southeast of Dixie. | (a) | 1979-85b,<br>1986-88c | 12-31-87 | 167.62 |
| 07350820 | Sand Beach Bayou at Shreveport, La. | Lat 32°26'35", long 93°43'27", Caddo Parish, at bridge on East 70th Street, and 4.3 mi southeast of Shreveport city hall. | (a) | 1963-88 | 11-16-87 | d39.31 |
| 07351200 | Brush Bayou at Shreveport, La. | Lat 32°26'23", long 93°46'52", Caddo Parish, at Southern Pacific Transportation Railway Company railroad bridge, and 4.9 mi southwest of Shreveport city hall. | 3.4 | 1960-88 | 1988 | <180.7 |
| 07351300 | Brush Bayou near Shreveport, La. | Lat 32°23'25", long 93°46'15, Caddo Parish, at bridge on State Highway 526, and 2.5 mi south of Shreveport. | 27.1 | 1960-88 | 11-16-87 | 157.12 |
| 07351755 | Bayou Pierre at Powhatan, La. | Lat 31°51'37", long 93°12'22", Natchitoches Parish, at bridge on State Highway 485, 1.0 mi southwest of Powhatan, and 11.8 mi upstream from mouth. | 879 | 1981-85b,<br>1986-88c | 1- 1-88 | 111.06 |
| 07352410 | Kepler Lake near Castor, La. | Lat 32°18'40", long 93°09'30", Bienville Parish, at dam on Kepler Lake, and 5.0 mi north of Castor. | 46.2 | 1960-65e,<br>1966-88 | 4- 1-88 | <177.7 |
| 07355490 | Bayou Rapides at control structure, at Alexandria, La. | Lat 31°17'59", long 92°29'42", Rapides Parish, 100 ft north of State Highway 496, and 3.1 mi west of Alexandria city hall. | (f) | 1963-88 | 11-16-87 | 74.17 |
| 07364203 | Bayou Bartholomew northwest of Jones, La. | Lat 32°58'55", long 91°42'00", Morehouse Parish, on right bank, 3.2 mi northwest of Jones. | g1,190 | 1973-85b,<br>1986-88c | 1-25-88 | d21.17 |
| 07364535 | Ouachita River at Sterlington, La. | Lat 32°41'46", long 92°05'12", Ouachita-Union Parish line, on bridge on State Highway 2 at Sterlington. | 12,953 | 1979-85b,<br>1986-88c | 1-13-88 | 77.75 |
| 07366365 | Bayou D'Arbonne below dam, near Downsville, La. | Lat 32°42'46", long 92°20'26", Union Parish, on downstream side of dam at left end, and 7.4 mi northeast of Downsville. | 1,607 | 1978-88 | 12-31-87 | 74.30 |

See footnotes at end of the table.

## ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1988--CONTINUED

| Station No. | Station name | Location | Drainage area (mi²) | Period of record | Flood peak Date | Flood peak Elevation in ft (NGVD) |
|---|---|---|---|---|---|---|
| | | **RED RIVER BASIN--CONTINUED** | | | | |
| 07367030 | Black Bayou at West Monroe, La. | Lat 32°29'55", long 92°08'30", Ouachita Parish, on downstream side of bridge at Interstate 20-State Highway 34 exit, at West Monroe. | (a) | 1978-88 | 12-27-87 | d36.80 |
| 07368040 | Boeuf River southwest of Rayville, La. | Lat 32°25'40", long 91°49'05", Richland Parish, on left bank 5.0 mi southwest of Rayville. | (a) | 1974-85b,<br>1986-88c | 11-20-87 | 61.20 |
| 07369016 | Youngs Bayou at Monroe, La. | Lat 32°29'37", long 92°04'56", Ouachita Parish, at bridge on service road of U.S. Highway 165, and 0.3 mi south of junction with Interstate 20 at Monroe. | (a) | 1978-88 | 11-16-87 | 66.44 |
| 07369024 | Youngs Bayou near Monroe, La. | Lat 32°27'34", long 92°02'49", Ouachita Parish, at bridge on Moore Road, and 3.1 mi southeast of Monroe. | (a) | 1978-88 | 11-16-87 | 63.26 |
| 07369050 | Bayou Lafourche near Alto, La. | Lat 32°23'50", long 91°59'40", Ouachita-Richland Parish line at bridge on State Highway 15, and 8 mi west of Alto. | (a) | 1973-85b,<br>1986-88c | 1- 1-88 | 60.55 |
| 07369455 | Brushy Bayou at Tallulah, La. | Lat 32°23'52", long 91°11'57", Madison Parish, at bridge on U.S. Highway 65, at Tallulah. | (a) | 1975-80b,<br>1981-88 | 11-16-87 | 73.05 |
| 07369457 | Lower Roundaway Bayou tributary near Tallulah, La. | Lat 32°22'33", long 91°11'57", Madison Parish, near center of bridge on U.S. Highway 65, and 1.5 mi south of Tallulah. | (a) | 1975-80b,<br>1981-88 | 11-16-87 | 72.56 |
| 07369460 | Roundaway Bayou near Tallulah, La. | Lat 32°23'09", long 91°12'30", Madison Parish, at bridge on State Highway 603, and 1.5 mi southwest of Tallulah. | 28 | 1954-59e,<br>1978-88 | 11-16-87 | 72.48 |
| 07369468 | Panola Bayou at Tallulah, La. | Lat 32°25'02", long 91°12'24", Madison Parish, at bridge on U.S. Highway 80, and 0.2 mi northwest of Tallulah. | (a) | 1978-80b,<br>1981-88 | 11-16-87 | 75.72 |
| 07369515 | Tensas River southeast of Tendal, La. | Lat 32°23'17", long 91°20'05", Madison Parish, on right bank 3.5 mi southeast of Tendal. | (a) | 1975-85b,<br>1986-88c | 11-18-87 | 70.76 |
| 07372190 | Little River at Rochelle, La. | Lat 31°47'35", long 92°21'42", Grant - La Salle Parish line, at bridge on U.S. Highway 165, at Rochelle. | 1,892 | 1938-46h,<br>1948-57h,<br>1958-73c,<br>1974-85b,<br>1986-88c | 11-18-87 | d44.09 |
| | | **BAYOU BATON ROUGE BASIN** | | | | |
| 07373965 | South Canal near Baker, La. | Lat 30°37'00", long 91°08'56", East Baton Rouge Parish, at bridge on McHugh Rd., 1.4 mi upstream from Cypress Bayou, and 2.3 mi northeast of Baker. | (a) | 1972-82b,<br>1983-87e,<br>1988 | 2- 2-88 | 16.88 |
| 07373980 | Baker Canal near Baker, La. | Lat 30°34'49", long 91°12'43", East Baton Rouge Parish, at bridge on U.S. Highway 61, 2.7 mi southwest of Baker. | (a) | 1963-70,<br>1971-88c | 2- 2-88 | 55.50 |

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1988--CONTINUED

| Station No. | Station name | Location | Drainage area (mi²) | Period of record | Flood peak Date | Flood peak Elevation in ft (NGVD) |
|---|---|---|---|---|---|---|
| | | MONTE SANO BAYOU BASIN | | | | |
| 07373993 | Monte Sano Bayou at Ryan Airport, at Baton Rouge, La. | Lat 30°32'08", long 91°09'32", East Baton Rouge Parish, at bridge on service road at Ryan Airport, 6.1 mi north of Baton Rouge Post Office. | (a) | 1975-88 | 9- 4-88 | 58.20 |
| 07373996 | Monte Sano Bayou at Baton Rouge, La. | Lat 30°30'10", long 91°10'12", East Baton Rouge Parish, at bridge on U.S. Highway 61 at Baton Rouge. | (a) | 1975-88 | 9- 4-88 | 40.69 |
| | | MISSISSIPPI RIVER DELTA | | | | |
| 07377215 | Little Sandy Creek near Milldale, La. | Lat 30°42'34", long 91°01'26", East Baton Rouge Parish, at bridge on Port Hudson-Pride Road, 2.9 mi north of Milldale. | (a) | 1975-88 | 4- 3-88 | 111.08 |
| 07377240 | Little Sandy Creek near Greenwell Springs, La. | Lat 30°37'36", long 90°59'20", East Baton Rouge Parish, at bridge on State Highway 409, 3.4 mi north of the village of Greenwell Springs, La. | 28.2 | 1974-85b,<br>1986-88 | 4- 3-88 | 65.04 |
| 07377250 | Sandy Creek near Greenwell Springs, La. | Lat 30°36'08", long 90°59'37", East Baton Rouge Parish, at bridge on State Highway 37, 1.5 mi north of village of Greenwell Springs, La. | (a) | 1982-88b | 4- 3-88 | 54.99 |
| 07377755 | White Bayou East Diversion Channel near Baton Rouge, La. | Lat 30°37'00", long 91°06'55", East Baton Rouge Parish at bridge on U.S. Highway 67 (Plank Road) 12.2 mi north of Baton Rouge, and 6.5 mi northeast of terminal building at Ryan Airport at Baton Rouge. | (a) | 1972-84b,<br>1986-87e,<br>1988 | 1988 | (j) |
| 07377790 | White Bayou at State Highway 64, near Zachary, La. | Lat 30°38'10", long 91°07'38", East Baton Rouge Parish, at bridge 1.1 mi east of Zachary. | (a) | 1962-75,<br>1977-88 | 2- 2-88 | 88.74 |
| 07377840 | White Bayou near Baton Rouge, La. | Lat 30°35'06", long 91°07'31", East Baton Rouge Parish, at bridge on Plank Road, 10.0 mi northeast of Baton Rouge Post Office. | (a) | 1962-88 | 1988 | <68.4 |
| 07377842 | White Bayou near Baker, La. | Lat 30°34'45", long 91°07'18", East Baton Rouge Parish at bridge on Pettit Road, and 2.9 mi east of City of Baker. | (a) | 1972-84b,<br>1986-87e,<br>1988 | 2- 2-88 | 13.05 |
| 07377890 | Cypress Bayou at Baker, La. | Lat 30°34'31", long 91°10'01", East Baton Rouge Parish, at bridge on Lavey Lane, 0.2 mi east of State Highway 19 at Baker. | (a) | 1967-69,<br>1971-88 | 1988 | <68.0 |
| 07377900 | Cypress Bayou at Plank Road, near Baton Rouge, La. | Lat 30°32'32", long 91°08'18", East Baton Rouge Parish, at bridge 6.9 mi northeast of Baton Rouge Post Office. | (a) | 1962-65,<br>1967-88 | 2-18-88<br>9- 4-88 | 48.92<br>50.21 |
| 07377920 | Cypress Bayou at Hooper Road, near Baton Rouge, La. | Lat 30°31'42", long 91°06'35", East Baton Rouge Parish, at bridge 7.0 mi northeast of Baton Rouge Post Office. | (a) | 1962-88 | 2-18-88<br>9- 4-88 | k46.48<br>(j) |

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1988--CONTINUED

| Station No. | Station name | Location | Drainage area (mi²) | Period of record | Flood peak Date | Flood peak Elevation in ft (NGVD) |
|---|---|---|---|---|---|---|
| | | MISSISSIPPI RIVER DELTA--CONTINUED | | | | |
| 07377933 | Blackwater Bayou near Fred, La. | Lat 30°35'52", long 91°04'46", East Baton Rouge Parish, at bridge on Dyer Road, 3.8 mi northeast of Baton Rouge Post Office. | (a) | 1975-88 | 2-18-88 | d11.71 |
| 07377940 | Blackwater Bayou near Baton Rouge, La. | Lat 30°32'06", long 91°04'53", East Baton Rouge Parish, at bridge on Hooper Road, 8.5 mi northeast of Baton Rouge Post Office. | 14.1 | 1962-88 | 2-18-88 | k48.35 |
| 07378008 | Hurricane Creek at Baton Rouge, La. | Lat 30°28'55", long 91°07'41", East Baton Rouge Parish, at bridge on East Brookstown Drive, 3.9 mi northeast of Baton Rouge Post Office. | (a) | 1967-88 | 2-18-88<br>9- 4-88 | 43.19<br>43.47 |
| 07378010 | Hurricane Creek near Baton Rouge, La. | Lat 30°29'14", long 91°05'20", East Baton Rouge Parish, at bridge on Joor Road, 6.2 mi northeast of Baton Rouge Post Office. | (a) | 1962-88 | 2-18-88<br>9- 4-88 | 42.30<br><40.6 |
| 07378015 | Roberts Canal at Baton Rouge, La. | Lat 30°30'22", long 91°07'31", East Baton Rouge Parish, at bridge on Silverleaf Ave., 5.3 mi northeast of Baton Rouge Post Office. | (a) | 1967,<br>1969-88 | 2-18-88<br>9- 4-88 | 47.85<br>49.66 |
| 07378020 | Roberts Canal near Baton Rouge, La. | Lat 30°29'55", long 91°05'17", East Baton Rouge Parish, at bridge on Joor Road, 6.6 mi northeast of Baton Rouge Post Office. | (a) | 1962-88 | 2-18-88<br>9- 4-88 | 43.02<br><40.9 |
| 07378075 | Beaver Bayou at Denham Road, near Baton Rouge, La. | Lat 30°35'15", long 91°01'29", East Baton Rouge Parish, at culvert 13.7 mi northeast of Baton Rouge Post Office. | (a) | 1972-88 | 2-18-88<br>9- 4-88 | 68.41<br>70.11 |
| 07378091 | Beaver Bayou tributary at Hooper Road, near Baton Rouge, La. | Lat 30°33'24", long 91°01'52", East Baton Rouge Parish, at culvert, 12 mi northeast of Baton Rouge Post Office. | (a) | 1983-88 | 2-18-88<br>9- 4-88 | 59.35<br>59.48 |
| 07378100 | Beaver Bayou at Wax Road, near Baton Rouge, La. | Lat 30°32'34", long 91°01'14", East Baton Rouge Parish, at culvert 11.8 mi northeast of Baton Rouge Post Office. | 9.49 | 1972-88 | 2-18-88<br>9- 4-88 | 54.48<br>54.89 |
| 07378595 | Jones Creek at Airline Highway, at Baton Rouge, La. | Lat 30°27'52", long 91°05'15", East Baton Rouge Parish, at culvert 5.1 mi northeast of Baton Rouge Post Office. | (a) | 1967-88 | 2-18-88 | 46.36 |
| 07378600 | Jones Creek at Florida Boulevard, at Baton Rouge, La. | Lat 30°27'21", long 91°04'29", East Baton Rouge Parish, at bridge 6.5 mi east of Baton Rouge Post Office. | (a) | 1962-88 | 2-18-88 | 42.78 |
| 07378635 | Lively Bayou northeast of Baton Rouge, La. | Lat 30°28'14", long 91°02'04", East Baton Rouge Parish, at bridge on Flannery Road, 9.0 mi east of Baton Rouge Post Office. | (a) | 1967-88 | 2-18-88<br>9- 5-88 | 38.55<br>38.76 |
| 07378640 | Lively Bayou east of Baton Rouge, La. | Lat 30°27'40", long 91°02'04", East Baton Rouge Parish, at bridge on Flannery Road, 8.9 mi east of Baton Rouge Post Office. | (a) | 1967-88 | 2-18-88<br>9- 5-88 | 36.68<br>36.09 |

See footnotes at end of the table.

## ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1988--CONTINUED

| | | | | | Flood peak | |
|---|---|---|---|---|---|---|
| Station No. | Station name | Location | Drainage area (mi²) | Period of record | Date | Elevation in ft (NGVD) |
| | | MISSISSIPPI RIVER DELTA--CONTINUED | | | | |
| 07378645 | Lively Bayou southeast of Baton Rouge, La. | Lat 30°26'47", long 91°02'04", East Baton Rouge Parish, at bridge on Flannery Road, 8.8 mi southeast of Baton Rouge Post Office. | (a) | 1967-88 | 2-18-88<br>9- 5-88 | 35.44<br>34.01 |
| 07378650 | Jones Creek at Old Hammond Highway, near Baton Rouge, La. | Lat 30°26'26", long 91°02'40", East Baton Rouge Parish, at bridge 8.4 mi east of Baton Rouge Post Office. | (a) | 1962-88 | 2-18-88 | 34.56 |
| 07378670 | Weiner Creek near Baton Rouge, La. | Lat 30°25'08", long 91°03'55", East Baton Rouge Parish, at bridge, on Stanley Aubin Drive, 7.3 mi southeast of Baton Rouge Post Office. | (a) | 1967-88 | 11-16-87 | 41.60 |
| 07378700 | Jones Creek near Woodlawn School, near Baton Rouge, La. | Lat 30°24'50", long 91°00'50", East Baton Rouge Parish, at bridge on Jones Creek Road, 1.6 mi north of Woodlawn School, and 10.5 mi east of Baton Rouge Post Office. | 19.5 | 1967-88 | 2-18-88 | 25.25 |
| 07378720 | Clay Cut Bayou at Siegen Lane, near Baton Rouge, La. | Lat 30°23'46", long 91°03'20", East Baton Rouge Parish, at bridge 7.9 mi southeast of Baton Rouge Post Office. | (a) | 1967-88 | 2-18-88 | 25.56 |
| 07378725 | Clay Cut Bayou near Hope Villa, La. | Lat 30°22'23", long 90°58'10", East Baton Rouge Parish, at bridge on Tiger Bend Road, 2.3 mi northeast of Hope Villa. | (a) | 1967-88 | 2-18-88 | 19.04 |
| 07378780 | Bayou Fountain at Ben Hur Road, at Baton Rouge, La. | Lat 30°23'30", long 91°09'36", East Baton Rouge Parish, at bridge 4.2 mi southeast of Baton Rouge Post Office. | (a) | 1962-88 | 2-18-88 | 18.65 |
| 07378800 | Bayou Fountain at Gardere Lane, near Baton Rouge, La. | Lat 30°21'52", long 91°07'16", East Baton Rouge Parish, at bridge 6.9 mi southeast of Baton Rouge Post Office. | (a) | 1962-66,<br>1969-88 | 2-18-88 | 16.26 |
| 07378805 | Bayou Fountain tributary near Baton Rouge, La. | Lat 30°21'00", long 91°04'54", East Baton Rouge Parish, at culvert on Highland Road, 9.1 mi southeast of Baton Rouge Post Office. | (a) | 1967-88 | 2-18-88 | 11.58 |
| 07379000 | Ward Creek at Government Street, at Baton Rouge, La. | Lat 30°20'20", long 91°08'35", East Baton Rouge Parish, on downstream end of culvert on Government Street, and 2.4 mi east of Baton Rouge Post Office. | 4.04 | 1954-67b,<br>1969-73c,<br>1975-88c | 2- 1-88<br>2-18-88 | 41.99<br>41.56 |
| 07379010 | Ward Creek at College Drive, at Baton Rouge, La. | Lat 30°26'08", long 91°07'59", East Baton Rouge Parish, at bridge 3.5 mi southeast of Baton Rouge Post Office. | (a) | 1970-88 | 2- 1-88<br>2-18-88 | 39.44<br><32.7 |
| 07379050 | Ward Creek at Essen Lane, near Baton Rouge, La. | Lat 30°24'17", long 91°06'12", East Baton Rouge Parish, at bridge 5.7 mi southeast of Baton Rouge Post Office. | (a) | 1963-70,<br>1975-88 | 2- 1-88<br>2-18-88 | 27.95<br><16.9 |
| 07379090 | North Branch Ward Creek at Goodwood Boulevard, at Baton Rouge, La. | Lat 30°26'34", long 91°05'27", East Baton Rouge Parish, at bridge 5.5 mi southeast of Baton Rouge Post Office. | (a) | 1968-88 | 2- 1-88<br>8-21-88 | 38.14<br>39.29 |

See footnotes at end of the table.

## ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1988--CONTINUED

| | | | | | Flood peak | |
|---|---|---|---|---|---|---|
| Station No. | Station name | Location | Drainage area (mi²) | Period of record | Date | Elevation in ft (NGVD) |
| | | MISSISSIPPI RIVER DELTA--CONTINUED | | | | |
| 07379100 | North Branch Ward Creek at Baton Rouge, La. | Lat 30°25'04", long 91°05'29", East Baton Rouge Parish, at bridge on Jefferson Highway, 5.9 mi southeast of Baton Rouge Office. | (a) | 1962-88 | 2- 1-88<br>8-21-88 | 29.90<br><26.4 |
| 07379400 | Dawson Creek at Perkins Road, at Baton Rouge, La. | Lat 30°24'37", long 91°07'53", East Baton Rouge Parish, 4.1 mi southeast of Baton Rouge Post Office. | (a) | 1962-88 | 2-18-88 | d18.30 |
| 07379502 | Corporation Canal at Oklahoma Street, at Baton Rouge, La. | Lat 30°26'05", long 91°11'12", East Baton Rouge Parish, at bridge 1.0 mi south of Baton Rouge Post Office. | .56 | 1971-88c | 2- 1-88 | 24.31 |
| 07379503 | Corporation Canal at East Roosevelt Street, at Baton Rouge, La. | Lat 30°25'18", long 91°10'36", East Baton Rouge Parish, at bridge 2.0 mi southeast of Baton Rouge Post Office. | g1.31 | 1971-88 | 2- 1-88 | 22.83 |
| 07379508 | Corporation Canal at Stanford Avenue at Baton Rouge, La. | Lat 30°24'24", long 91°09'52", East Baton Rouge Parish, at culvert 3.2 mi southeast of Baton Rouge Post Office. | 2.43 | 1971-88 | 2- 1-88 | 20.85 |
| 07379550 | Bayou Duplantier at Lee Drive, at Baton Rouge, La. | Lat 30°24'05", long 91°09'09", East Baton Rouge Parish, at bridge 3.8 mi south of Baton Rouge Post Office. | (a) | 1962-70,<br>1971-88c | 2-18-88 | 21.48 |
| 07379950 | Dawson Creek at Staring Lane, near Baton Rouge, La. | Lat 30°23'19", long 91°06'42", East Baton Rouge Parish, at bridge 6.0 mi southeast of Baton Rouge Post Office. | (a) | 1962-88 | 2-18-88 | 21.25 |
| 07380000 | Ward Creek at Siegen Lane, near Baton Rouge, La. | Lat 30°22'30", long 91°04'10", East Baton Rouge Parish, at bridge 0.5 mi downstream from Dawson Creek, and 8.5 mi southeast of Baton Rouge Post Office. | 40.0 | 1947-53b,<br>1955-68e,<br>1972-88c | 2- 1-88<br>2-18-88 | 18.80<br>18.96 |
| 07380223 | New River at Gonzales, La. | Lat 30°14'12", long 90°54'43", Ascension Parish, at bridge on U.S. Highway 61, 0.5 mi northeast of Gonzales water tower. | (a) | 1963-88 | 2-18-88 | 9.30 |
| 07380226 | Bayou Francois near Gonzales, La. | Lat 30°13'57", long 90°56'49", Ascension Parish, at bridge on State Highway 429, 1.8 mi west of Gonzales water tower. | (a) | 1963-88 | 2-18-88 | m10.03 |
| 07380227 | Bayou Francois at Gonzales, La. | Lat 30°13'35", long 90°55'14", Ascension Parish, at bridge on State Highway 44, 0.4 mi southwest of Gonzales water tower. | (a) | 1963-88 | 2-18-88 | 8.06 |
| 07381002 | Bayou Lafourche below weir at Thibodaux, La. | Lat 29°47'56", long 90°04'11", Lafourche Parish, on Canal Street, 1200 ft below State Highway 20 at Thibodaux and approximately 200 ft below weir. | (a) | 1986-88c | 2-24-88 | 7.32 |
| 07382495 | Bayou Courtableau near Washington, La. | Lat 30°38'53", long 92°03'40", St. Landry Parish, 0.3 mi downstream from confluence of Bayou Cocodrie and Bayou Boeuf, 2.0 mi northwest of Washington, and 3.4 mi upstream from gaging station, Bayou Courtableau at Washington. | 701 | 1946-75h,<br>1976-85b,<br>1986-88c | 2-16-88 | n29.34 |

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1988--CONTINUED

| Station No. | Station name | Location | Drainage area (mi²) | Period of record | Flood peak Date | Flood peak Elevation in ft (NGVD) |
|---|---|---|---|---|---|---|
| | | MISSISSIPPI RIVER DELTA--CONTINUED | | | | |
| 07383510 | Bayou des Glaises diversion channel near Moreauville, La. | Lat 30°59'59", long 91°58'57", Avoyelles Parish, at bridge on unnumbered parish road, and 2.5 mi south of Moreauville. | 284 | 1972-85b,<br>1986-88c | 1988 | (j) |
| 07385470 | Bayou Teche at Robin, La. | Lat 30°26'48", long 91°55'22", St. Landry Parish, near center of span on downstream side of bridge between State Highways 31 and 740 at Robin, and 3.7 mi upstream from gaging station, Bayou Teche at Arnaudville. | (a) | 1947-85b,<br>1986-88c | 2- 2-88 | 20.73 |
| 07385702 | Bayou Teche below Keystone Lock and Dam near St. Martinville, La. | Lat 30°04'14", long 91°49'44", St. Martin Parish, on downstream side of Keystone Lock and Dam 3.5 mi south of St. Martinville and 11 mi upstream from Loreauville Canal. | (a) | 1985-85b,<br>1986-88c | 2-18-88 | 12.53 |
| 07386201 | Bayou Fusilier below weir near Arnaudville, La. | Lat 30°23'57", long 91°56'43", St. Landry Parish, on right bank 150 ft downstream of weir and 200 ft downstream of base gage (07386200), one mi west of Arnaudville and one mi downstream from point of diversion from Bayou Teche. | (a) | 1986-88c | 2- 3-88 | 19.45 |
| 07386705 | Ruth Canal at Ruth, La. | Lat 30°14'34", long 91°53'05", St. Martin Parish, on right bank, 150 ft downstream from control structure, 0.5 mi northwest of Ruth, 0.6 mi downstream from point of diversion from Bayou Teche, and 2.5 mi south of town of Breaux Bridge. | (a) | 1959-85b,<br>1986-88c | 4- 5-88 | 10.73 |

< Less than amount shown.
a Drainage area not determined.
b Operated as a continuous-record gaging station.
c Operated as a continuous-record gaging station, daily records unpublished.
d Gage datum, NGVD of gage not determined.
e Operated as a crest-stage partial-record station.
f Drainage area indeterminate.
g Approximately.
h Operated as a continuous-record gaging station by the Corps of Engineers.
j Missing record.
k From flood mark.
m Prior to September 1987, datum should be 2.14 ft higher.
n Mean low Gulf or 0.78 ft below NGVD.

## DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1988

| Stream | Tributary to | Location | Drainage area ($mi^2$) | Measured previously (water years) | Measurements | |
|---|---|---|---|---|---|---|
| | | | | | Date | Discharge ($ft^3/s$) |
| | | RED RIVER BASIN | | | | |
| Bayou Bonne Idee | Boeuf River | Lat 32°40'00", long 91°41'59", Morehouse Parish, at bridge on unmarked parish road, 5.8 mi northeast of Oak Ridge. | (a) | 1984-87 | 10-13-87 | 0 |
| | | | | | 11-19-87 | 942 |
| | | | | | 12-14-87 | 0 |
| | | | | | 1-11-88 | 0 |
| | | | | | 2- 9-88 | 72.2 |
| | | | | | 3-14-88 | 217 |
| | | | | | 4-11-88 | 43.8 |
| | | | | | 5- 9-88 | 0 |
| | | | | | 6-13-88 | 0 |
| | | | | | 7-12-88 | 0 |
| | | | | | 8- 8-88 | 0 |
| | | | | | 9-13-88 | 0 |
| Pine Creek | Big Creek | Lat 32°15'30", long 91°44'57", Franklin Parish, at bridge on State Highway 15, at Baskin. | (a) | 1984-87 | 10-13-87 | 1.9 |
| | | | | | 11-19-87 | 11.2 |
| | | | | | 12-14-87 | 7.2 |
| | | | | | 1-11-88 | 68.5 |
| | | | | | 2- 9-88 | 16.4 |
| | | | | | 3-14-88 | 58.7 |
| | | | | | 4-12-88 | 20.9 |
| | | | | | 5- 9-88 | 3.7 |
| | | | | | 6-13-88 | 2.4 |
| | | | | | 7-12-88 | 4.1 |
| | | | | | 8- 8-88 | 4.3 |
| | | | | | 9-12-88 | 18.3 |
| Bayou Galion | Bayou Lafourche | Lat 32°50'40", long 91°43'06" Morehouse Parish, at bridge on Parish Road 6002, at Galion, La. Station is located at confluence with Bayou Bonn Idee. | (a) | 1983-87 | 10-13-87 | 0 |
| | | | | | 11-19-87 | 199 |
| | | | | | 12-15-87 | 0 |
| | | | | | 1-11-88 | 0 |
| | | | | | 2- 9-88 | 0 |
| | | | | | 3-15-88 | 2.1 |
| | | | | | 4-11-88 | 0 |
| | | | | | 5- 9-88 | 7.9 |
| | | | | | 6-13-88 | 0 |
| | | | | | 7-11-88 | 0 |
| | | | | | 8- 8-88 | 6.7 |
| | | | | | 9-13-88 | 0 |
| Little River | Black River | Lat 31°34'50", long 92°18'35", Grant-LaSalle Parish line, at bridge on State Highway 8, 7.0 mi northeast of Pollock. | 2,254 | 1952-54,<br>1961-62,<br>1964-67,<br>1969,<br>1971,<br>1977,<br>1982-87 | 10- 9-87 | 53.9 |
| | | | | | 11-10-87 | 224 |
| | | | | | 12-14-87 | 922 |
| | | | | | 1-11-88 | 8,120 |
| | | | | | 2- 8-88 | 2,110 |
| | | | | | 3- 7-88 | 6,690 |
| | | | | | 4-11-88 | 10,700 |
| | | | | | 5- 9-88 | 33.8 |
| | | | | | 6-13-88 | 0 |
| | | | | | 7-11-88 | 507 |
| | | | | | 8- 8-88 | 131 |
| | | | | | 9-12-88 | 746 |

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a Drainage area not determined.

## RED RIVER BASIN

### 315924092523000 SPRING BRANCH AT COLDWATER, LA

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | STREAM-FLOW, INSTAN-TANEOUS (CFS) | SPE-CIFIC CON-DUCT-ANCE (US/CM) | PH (STAND-ARD UNITS) | TEMPER-ATURE WATER (DEG C) | OXYGEN, DIS-SOLVED (MG/L) | ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SEDI-MENT, SUS-PENDED (MG/L) | SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC<br>22... | 0950 | 1.5 | 42 | 6.11 | 10.0 | -- | 6 | 8 | 0.03 | 88 |
| MAR<br>09... | 0915 | 17 | 27 | 5.81 | 13.5 | -- | 5 | 30 | 1.4 | 89 |
| JUN<br>16... | 0950 | 0.06 | 54 | 5.61 | 22.0 | 6.0 | 10 | 9 | 0.00 | 67 |
| SEP<br>23... | 1030 | 0.16 | 60 | 6.40 | -- | 4.8 | 37 | 8 | 0.00 | 88 |

### 312710093053900 STEEP HILL BRANCH NEAR LOTUS, LA

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | STREAM-FLOW, INSTAN-TANEOUS (CFS) | SPE-CIFIC CON-DUCT-ANCE (US/CM) | PH (STAND-ARD UNITS) | TEMPER-ATURE WATER (DEG C) | OXYGEN, DIS-SOLVED (MG/L) | ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SEDI-MENT, SUS-PENDED (MG/L) | SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC 1987<br>21... | 1145 | 15 | 31 | 4.92 | 11.0 | 10.6 | 1 | 10 | 0.40 | 79 |
| MAR 1988<br>08... | 1130 | 5.6 | 28 | 5.25 | 14.0 | -- | 2 | 10 | 0.15 | 70 |
| JUN<br>15... | 1200 | 0.26 | 25 | 4.58 | 22.0 | 7.5 | -- | 9 | 0.01 | 89 |
| SEP<br>22... | 1215 | 0.15 | 18 | 5.34 | 24.0 | 5.5 | 3 | 12 | 0.00 | 58 |

### 07354100 KISATCHIE BAYOU AT LOTUS, LA

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | STREAM-FLOW, INSTAN-TANEOUS (CFS) | SPE-CIFIC CON-DUCT-ANCE (US/CM) | PH (STAND-ARD UNITS) | TEMPER-ATURE WATER (DEG C) | OXYGEN, DIS-SOLVED (MG/L) | ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SEDI-MENT, SUS-PENDED (MG/L) | SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC 1987<br>21... | 1230 | 853 | 33 | 5.50 | 11.0 | 11.4 | 2 | 63 | 145 | 98 |
| MAR 1988<br>08... | 1215 | 180 | 41 | 6.29 | -- | -- | 7 | 9 | 4.4 | 78 |
| JUN<br>15... | 1300 | 28 | 53 | 5.43 | 26.5 | 7.2 | 10 | 6 | 0.45 | 83 |
| SEP<br>22... | 1445 | 5.7 | 49 | 6.20 | 24.0 | 7.7 | 11 | 20 | 0.31 | 70 |

## RED RIVER BASIN--Continued

### 312956093130600 SIMMONS BRANCH NEAR BELLWOOD, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | STREAM-FLOW, INSTAN-TANEOUS (CFS) | SPE-CIFIC CON-DUCT-ANCE (US/CM) | PH (STAND-ARD UNITS) | TEMPER-ATURE WATER (DEG C) | OXYGEN, DIS-SOLVED (MG/L) | ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SEDI-MENT, SUS-PENDED (MG/L) | SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC 1987<br>21... | 1310 | 3.1 | 34 | 5.26 | 11.5 | 11.2 | 2 | 48 | 0.40 | 46 |
| MAR 1988<br>08... | 1300 | 3.9 | 33 | 6.10 | 14.0 | -- | 4 | 42 | 0.44 | 70 |
| JUN<br>15... | 1415 | 1.3 | 27 | 5.51 | 23.5 | 8.4 | 2 | 3 | 0.01 | 33 |
| SEP<br>22... | 1320 | 0.41 | 23 | 6.11 | 24.0 | 8.2 | 4 | 12 | 0.01 | 60 |

### 313220093022300 BAYOU LUCE NEAR MONTROSE, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | STREAM-FLOW, INSTAN-TANEOUS (CFS) | SPE-CIFIC CON-DUCT-ANCE (US/CM) | PH (STAND-ARD UNITS) | TEMPER-ATURE WATER (DEG C) | OXYGEN, DIS-SOLVED (MG/L) | ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SEDI-MENT, SUS-PENDED (MG/L) | SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC 1987<br>21... | 0815 | 5.0 | 48 | 5.06 | 12.0 | 11.0 | 1 | 26 | 0.35 | 94 |
| MAR 1988<br>08... | 0800 | 1.8 | 51 | 4.97 | 14.5 | 10.3 | 1 | 11 | 0.05 | 59 |
| JUN<br>15... | 0845 | 0.20 | 78 | 4.20 | 21.5 | 7.8 | -- | 6 | 0.00 | 66 |
| SEP<br>22... | 0915 | 0.12 | 83 | 4.33 | 23.5 | 6.7 | -- | 18 | 0.01 | 80 |

### 313204093073500 LAIRD CREEK NEAR MONTROSE, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | STREAM-FLOW, INSTAN-TANEOUS (CFS) | SPE-CIFIC CON-DUCT-ANCE (US/CM) | PH (STAND-ARD UNITS) | TEMPER-ATURE WATER (DEG C) | OXYGEN, DIS-SOLVED (MG/L) | ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SEDI-MENT, SUS-PENDED (MG/L) | SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC 1987<br>21... | 1030 | 4.6 | 34 | 6.52 | 12.0 | 11.2 | 2 | 21 | 0.26 | 55 |
| MAR 1988<br>08... | 0945 | 2.7 | 40 | 6.07 | 14.5 | -- | 3 | 6 | 0.04 | 62 |
| JUN<br>15... | 1030 | 0.91 | 17 | 5.40 | 20.5 | 7.8 | 3 | 4 | 0.01 | 44 |
| SEP<br>22... | 1045 | 0.65 | 19 | 6.20 | 23.5 | 8.4 | 5 | 21 | 0.04 | 55 |

## 315454092523700 RANGE BRANCH NEAR CALVIN, LA

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | STREAM-FLOW, INSTAN-TANEOUS (CFS) | SPE-CIFIC CON-DUCT-ANCE (US/CM) | PH (STAND-ARD UNITS) | TEMPER-ATURE WATER (DEG C) | OXYGEN, DIS-SOLVED (MG/L) | ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SEDI-MENT, SUS-PENDED (MG/L) | SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC 1987 | | | | | | | | | | |
| 22... | 0900 | 0.0 | 135 | 7.00 | 11.0 | -- | 37 | -- | -- | -- |
| MAR 1988 | | | | | | | | | | |
| 09... | 0845 | 13 | 110 | 7.20 | 13.5 | -- | 40 | 25 | 0.88 | 92 |
| JUN | | | | | | | | | | |
| 16... | 0915 | 0.13 | 95 | 6.08 | 21.0 | 5.1 | 33 | 8 | 0.00 | 76 |
| SEP | | | | | | | | | | |
| 23... | 0930 | 0.10 | 91 | 6.84 | 24.0 | 4.5 | 45 | 19 | 0.01 | 66 |

## 310408091424500 RED RIVER ABOVE OLD RIVER OUTFLOW CHANNEL, ABOVE SIMMESPORT, LA (CE 04800)

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

| DATE | TIME | STREAM-FLOW, INSTAN-TANEOUS (CFS) | SEDI-MENT, SUS-PENDED (MG/L) | SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM |
|---|---|---|---|---|---|
| OCT | | | | | |
| 01... | 0845 | 10000 | 162 | 4370 | 91 |
| NOV | | | | | |
| 05... | 0945 | 56000 | 746 | 113000 | 100 |
| 19... | 0845 | 89000 | 528 | 127000 | 96 |
| DEC | | | | | |
| 03... | 0845 | 164000 | 1290 | 573000 | 69 |
| 10... | 0845 | 123000 | 326 | 108000 | 83 |
| JAN | | | | | |
| 07... | 0845 | 119000 | 275 | 88400 | 74 |
| FEB | | | | | |
| 04... | 0845 | 78200 | 248 | 52600 | 97 |
| 25... | 0845 | 171000 | 1180 | 544000 | 70 |
| MAR | | | | | |
| 05... | 0845 | 205000 | 1770 | 979000 | 55 |
| 18... | 0845 | 195000 | 572 | 301000 | 93 |
| APR | | | | | |
| 01... | 0845 | 195000 | 707 | 372000 | 82 |
| 15... | 0745 | 106000 | 249 | 71300 | 95 |
| 29... | 0745 | 34700 | 240 | 22500 | 46 |
| MAY | | | | | |
| 13... | 0745 | 29100 | 120 | 9430 | 97 |
| JUN | | | | | |
| 10... | 0745 | 68200 | 1340 | 247000 | 99 |
| 24... | 0745 | 75500 | 1070 | 218000 | 96 |
| JUL | | | | | |
| 08... | 0745 | 69800 | 918 | 173000 | 96 |
| 23... | 0745 | 33700 | 238 | 21700 | 100 |
| AUG | | | | | |
| 05... | 0745 | 24800 | 210 | 14000 | 100 |
| 19... | 0745 | 24800 | 329 | 22100 | 76 |
| SEP | | | | | |
| 02... | 0745 | 19300 | 170 | 8860 | 99 |
| 16... | 0745 | 19800 | 230 | 12300 | 100 |
| 30... | 0745 | 19100 | 144 | 7430 | 100 |

## MISSISSIPPI RIVER DELTA

### 311126092342200 LOVING CREEK NEAR WOODWORTH, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | STREAM-FLOW, INSTAN-TANEOUS (CFS) | SPE-CIFIC CON-DUCT-ANCE (US/CM) | PH (STAND-ARD UNITS) | TEMPER-ATURE WATER (DEG C) | OXYGEN, DIS-SOLVED (MG/L) | ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SEDI-MENT, SUS-PENDED (MG/L) | SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC 1987 | | | | | | | | | | |
| 14... | 1345 | 4.2 | 32 | 7.20 | 18.5 | 9.2 | 12 | 10 | 0.11 | 84 |
| MAR 1988 | | | | | | | | | | |
| 07... | 1215 | 4.6 | 43 | 7.02 | 14.0 | 10.4 | 13 | 4 | 0.05 | 75 |
| JUN | | | | | | | | | | |
| 14... | 1130 | 3.5 | 32 | 5.64 | 21.0 | 8.9 | 9 | 3 | 0.03 | 33 |
| SEP | | | | | | | | | | |
| 21... | 1300 | 3.1 | 26 | 6.81 | 24.0 | 9.0 | 14 | 8 | 0.07 | 50 |

### 310720092322600 UPPER CLEAR BAYOU NEAR WOODWORTH, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | STREAM-FLOW, INSTAN-TANEOUS (CFS) | SPE-CIFIC CON-DUCT-ANCE (US/CM) | PH (STAND-ARD UNITS) | TEMPER-ATURE WATER (DEG C) | OXYGEN, DIS-SOLVED (MG/L) | ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SEDI-MENT, SUS-PENDED (MG/L) | SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC 1987 | | | | | | | | | | |
| 14... | 1215 | 4.3 | 31 | 6.77 | 17.0 | -- | 11 | 9 | 0.10 | 94 |
| MAR 1988 | | | | | | | | | | |
| 07... | 1100 | 4.8 | 40 | 6.90 | 12.0 | 10.0 | 11 | 5 | 0.06 | 60 |
| JUN | | | | | | | | | | |
| 14... | 1035 | 2.5 | 33 | 5.68 | 21.5 | 8.4 | 9 | 2 | 0.01 | 50 |
| SEP | | | | | | | | | | |
| 21... | 1130 | 2.2 | 24 | -- | 22.5 | 9.0 | -- | 9 | 0.05 | 58 |

### 07381800 SPRING CREEK NEAR GLENMORA, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | STREAM-FLOW, INSTAN-TANEOUS (CFS) | SPE-CIFIC CON-DUCT-ANCE (US/CM) | PH (STAND-ARD UNITS) | TEMPER-ATURE WATER (DEG C) | OXYGEN, DIS-SOLVED (MG/L) | ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SEDI-MENT, SUS-PENDED (MG/L) | SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC 1987 | | | | | | | | | | |
| 14... | 1100 | 62 | 39 | 6.69 | 17.5 | 9.2 | 14 | 16 | 2.7 | 88 |
| MAR 1988 | | | | | | | | | | |
| 07... | 0830 | -- | 45 | 6.71 | 14.5 | 9.3 | 13 | 8 | -- | 75 |
| JUN | | | | | | | | | | |
| 14... | 0925 | 63 | 44 | 5.66 | 21.5 | 8.1 | 12 | 4 | 0.68 | 67 |
| SEP | | | | | | | | | | |
| 21... | 1040 | 39 | 35 | -- | 23.5 | 9.0 | -- | 11 | 1.2 | 94 |

## LOWER MISSISSIPPI RIVER BASIN

## MISSISSIPPI RIVER MAIN STEM

### 310552091361200 MISSISSIPPI RIVER (COOCHIE) NEAR BLACK HAWK, LA (CE 01020)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

| DATE | TIME | STREAM-FLOW, INSTAN-TANEOUS (CFS) | SEDI-MENT, SUS-PENDED (MG/L) | SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) | SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM |
|---|---|---|---|---|---|
| AUG | | | | | |
| 05... | 1130 | 311000 | 258 | 217000 | 98 |
| 19... | 1100 | 274000 | --- | --- | 99 |
| SEP | | | | | |
| 02... | 1130 | 303000 | 185 | 151000 | 99 |
| 16... | 1130 | 270000 | 325 | 237000 | 99 |
| 30... | 1130 | 289000 | 153 | 119000 | 97 |

## JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC-DATA STUDY

The following water-quality sites were sampled as part of an ongoing basic-data study on the Barataria Unit of the Jean Lafitte National Historical Park, in cooperation with the National Park Service.

### 294702090064300 BAYOU DES FAMILLES AT CHRISTMAS ROAD NEAR CROWN POINT, LA

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | SPECIFIC CONDUCTANCE (US/CM) | PH (STANDARD UNITS) | TEMPERATURE WATER (DEG C) | COLOR (PLATINUM-COBALT UNITS) | TURBIDITY (NTU) | OXYGEN, DISSOLVED (MG/L) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) | COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) | STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) |
|---|---|---|---|---|---|---|---|---|---|---|
| APR<br>07... | 1300 | 181 | 7.11 | 21.5 | 100 | 2.9 | -- | 3.3 | K55 | 2300 |
| MAY<br>26... | 1145 | 613 | 7.66 | 27.5 | 80 | 3.3 | 4.6 | 8.7 | K100 | 240 |
| JUN<br>16... | 1015 | 711 | 7.71 | 27.5 | 80 | 6.5 | 1.7 | 8.3 | 80 | 740 |
| JUL<br>12... | 1150 | 690 | 7.83 | 30.5 | 40 | 3.5 | 2.8 | 6.7 | K26 | K70 |
| 27... | 1136 | 805 | 7.49 | 29.5 | 70 | 4.4 | 2.2 | 8.0 | K25 | 400 |
| AUG<br>18... | 1125 | 637 | 7.33 | 30.0 | 140 | 2.0 | 3.8 | 5.4 | K32 | 280 |
| SEP<br>20... | 1140 | 562 | 7.04 | 29.0 | 100 | 2.3 | 0.3 | 8.1 | 230 | 900 |

| DATE | HARDNESS TOTAL (MG/L AS CACO3) | CALCIUM DISSOLVED (MG/L AS CA) | MAGNESIUM, DISSOLVED (MG/L AS MG) | SODIUM, DISSOLVED (MG/L AS NA) | POTASSIUM, DISSOLVED (MG/L AS K) | ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DISSOLVED (MG/L AS SO4) | CHLORIDE, DISSOLVED (MG/L AS CL) | FLUORIDE, DISSOLVED (MG/L AS F) | SILICA, DISSOLVED (MG/L AS SIO2) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| APR<br>07... | 42 | 11 | 3.5 | 12 | 2.6 | 38 | 7.4 | 18 | <0.2 | -- | 86 | -- |
| MAY<br>26... | 130 | 30 | 13 | 80 | 4.7 | 94 | 23 | 120 | 0.4 | 4.3 | 326 | 332 |
| JUN<br>16... | 160 | 37 | 16 | 85 | 4.0 | 129 | 37 | 120 | 0.3 | 8.3 | 390 | 385 |
| JUL<br>12... | 200 | 49 | 19 | 55 | 4.8 | 144 | 64 | 83 | 0.6 | 4.9 | 371 | 367 |
| 27... | 180 | 42 | 18 | 87 | 3.6 | 153 | 36 | 130 | 0.5 | 12 | 460 | 421 |
| AUG<br>18... | 140 | 32 | 14 | 74 | 3.3 | 99 | 22 | 130 | 0.3 | 10 | 395 | 345 |
| SEP<br>20... | 120 | 28 | 12 | 61 | 4.3 | 90 | 28 | 95 | 0.4 | 6.6 | 323 | 289 |

| DATE | NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) | NITROGEN, AMMONIA DISSOLVED (MG/L AS N) | NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) | PHOSPHOROUS TOTAL (MG/L AS P) |
|---|---|---|---|---|
| APR<br>07... | 0.02 | 0.11 | <0.20 | 0.43 |
| MAY<br>26... | <0.02 | 0.02 | 0.95 | 0.64 |
| JUN<br>16... | <0.02 | 0.03 | 0.96 | 0.39 |
| JUL<br>12... | 0.04 | 0.09 | 0.75 | 0.30 |
| 27... | <0.02 | 0.04 | 0.98 | 0.95 |
| AUG<br>18... | <0.02 | 0.05 | 1.0 | 0.52 |
| SEP<br>20... | <0.02 | 0.09 | 1.3 | 0.63 |

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal colony count).

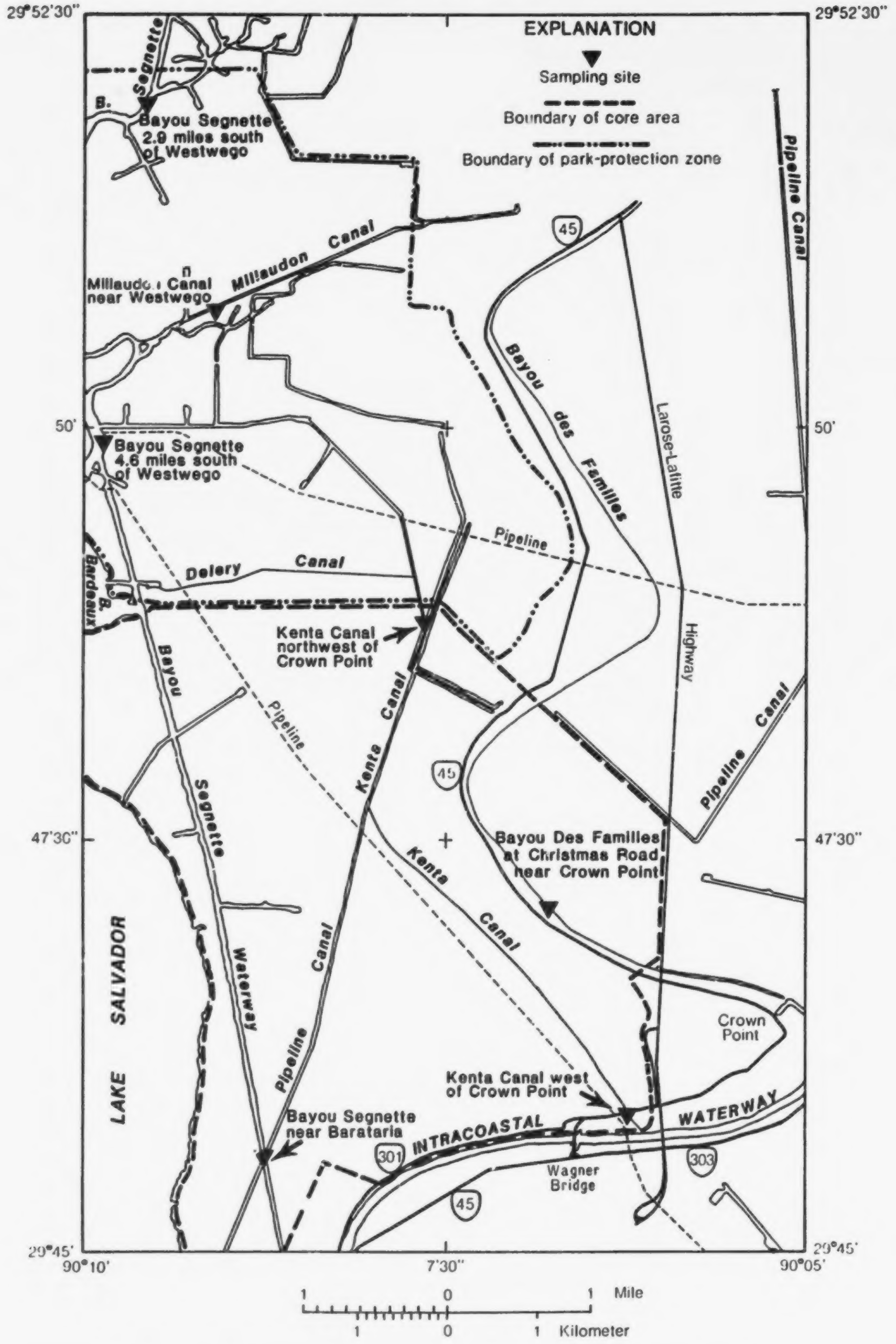
29°52'30"
29°52'30"
EXPLANATION
▼ Sampling site
Boundary of core area
Boundary of park-protection zone
B. Segnette
Bayou Segnette 2.9 miles south of Westwego
Pipeline Canal
Millaudon Canal
Millaudon Canal
near Westwego
45
Bayou des Familles
Larose-Lafitte Highway
50'
50'
Bayou Segnette 4.6 miles south of Westwego
Pipeline
Delery Canal
B. Bardeaux
Kenta Canal northwest of Crown Point
Bayou Segnette Waterway
Pipeline
Kenta Canal
Pipeline Canal
45
47'30"
47'30"
Bayou Des Familles at Christmas Road near Crown Point
Kenta Canal
LAKE SALVADOR
Pipeline Canal
Crown Point
Kenta Canal west of Crown Point
Bayou Segnette near Barataria
INTRACOASTAL WATERWAY
301
303
Wagner Bridge
45
29°45'
29°45'
90°10'
7'30"
90°05'
1 0 1 Mile
1 0 1 Kilometer

Figure 16.--Location of sampling sites in the Barataria unit, Jean Lafitte National Historical Park.

## JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC-DATA STUDY--Continued

## 295202090093200 BAYOU SEGNETTE 2.9 MILES SOUTH OF WESTWEGO, LA

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | SPE-CIFIC CON-DUCT-ANCE (US/CM) | PH (STAND-ARD UNITS) | TEMPER-ATURE WATER (DEG C) | COLOR (PLAT-INUM-COBALT UNITS) | TUR-BID-ITY (NTU) | OXYGEN, DIS-SOLVED (MG/L) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) | STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) |
|---|---|---|---|---|---|---|---|---|---|---|
| APR | | | | | | | | | | |
| 07... | 0945 | 424 | 6.80 | 21.5 | 100 | 3.7 | 2.2 | 2.7 | 45 | 420 |
| MAY | | | | | | | | | | |
| 26... | 0910 | 1040 | 7.63 | 26.0 | 80 | 10 | 4.4 | 3.9 | K20 | K25 |
| JUN | | | | | | | | | | |
| 16... | 1055 | 908 | 7.98 | 30.0 | 80 | 11 | 9.9 | 5.8 | 100 | 110 |
| JUL | | | | | | | | | | |
| 12... | 0925 | 905 | 7.64 | 30.0 | 50 | 8.6 | 5.0 | 2.9 | 60 | 50 |
| 27... | 1024 | 830 | 7.31 | 32.0 | 70 | 14 | 4.2 | 3.5 | K4 | K50 |
| AUG | | | | | | | | | | |
| 18... | 0910 | 870 | 7.53 | 30.0 | 70 | 5.2 | 3.4 | 2.6 | K18 | 56 |
| SEP | | | | | | | | | | |
| 20... | 0950 | 1130 | 7.20 | 29.0 | 70 | 6.0 | 2.4 | 3.6 | K55 | 440 |

| DATE | HARD-NESS TOTAL (MG/L AS CACO3) | CALCIUM DIS-SOLVED (MG/L AS CA) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) | SODIUM, DIS-SOLVED (MG/L AS NA) | POTAS-SIUM, DIS-SOLVED (MG/L AS K) | ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DIS-SOLVED (MG/L AS SO4) | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) | FLUO-RIDE, DIS-SOLVED (MG/L AS F) | SILICA, DIS-SOLVED (MG/L AS SIO2) | SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) | SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| APR | | | | | | | | | | | | |
| 07... | 76 | 18 | 7.5 | 55 | 3.9 | 54 | 22 | 82 | 0.2 | -- | 233 | 221 |
| MAY | | | | | | | | | | | | |
| 26... | 180 | 41 | 20 | 140 | 7.1 | 102 | 72 | 200 | 0.4 | 3.9 | 579 | 546 |
| JUN | | | | | | | | | | | | |
| 16... | 160 | 36 | 16 | 120 | 6.0 | 89 | 78 | 170 | 0.4 | 3.4 | 493 | 483 |
| JUL | | | | | | | | | | | | |
| 12... | 160 | 39 | 16 | 120 | 6.6 | 106 | 57 | 170 | 0.3 | 5.5 | 478 | 485 |
| 27... | 140 | 32 | 15 | 98 | 4.6 | 102 | 44 | 160 | 0.3 | 6.6 | 464 | 422 |
| AUG | | | | | | | | | | | | |
| 18... | 190 | 48 | 18 | 120 | -- | 107 | 100 | 100 | 0.3 | 11 | 527 | 519 |
| SEP | | | | | | | | | | | | |
| 20... | 200 | 49 | 20 | 100 | 6.0 | 98 | 120 | 150 | 0.4 | 10 | 562 | 515 |

| DATE | NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) | NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) | NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) | PHOS-PHOROUS TOTAL (MG/L AS P) |
|---|---|---|---|---|
| APR | | | | |
| 07... | 0.07 | 0.15 | <0.20 | 0.42 |
| MAY | | | | |
| 26... | 0.14 | 0.03 | 1.2 | 0.73 |
| JUN | | | | |
| 16... | <0.02 | 0.02 | 1.2 | 0.65 |
| JUL | | | | |
| 12... | 0.28 | 0.03 | 0.98 | 0.80 |
| 27... | 0.04 | 0.08 | 1.1 | 0.65 |
| AUG | | | | |
| 18... | 0.26 | 0.15 | 0.26 | 0.50 |
| SEP | | | | |
| 20... | 0.28 | 0.06 | 1.2 | 0.47 |

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal colony count).

## ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

## JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC-DATA STUDY

## 295040090091600 MILLAUDON CANAL NEAR WESTWEGO, LA

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | SPE-CIFIC CON-DUCT-ANCE (US/CM) | PH (STAND-ARD UNITS) | TEMPER-ATURE WATER (DEG C) | COLOR (PLAT-INUM-COBALT UNITS) | TUR-BID-ITY (NTU) | OXYGEN, DIS-SOLVED (MG/L) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) | STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) |
|---|---|---|---|---|---|---|---|---|---|---|
| APR<br>07... | 1000 | 528 | 7.42 | 19.5 | 80 | 4.7 | 0.4 | 4.6 | 680 | 600 |
| MAY<br>26... | 0920 | 915 | 7.66 | 26.0 | 150 | 16 | 1.3 | 5.8 | 240 | 150 |
| JUN<br>16... | 1105 | 881 | 7.86 | 27.5 | 70 | 6.7 | 4.8 | 9.0 | K90 | 170 |
| JUL<br>12... | 0935 | 1020 | 7.75 | 29.5 | 60 | 4.4 | 2.6 | 6.9 | 120 | 530 |
| 27... | 1011 | 1230 | 7.83 | 31.0 | 30 | 2.1 | 4.0 | 9.1 | K38 | 94 |
| AUG<br>18... | 0925 | 1120 | 7.83 | 29.0 | 40 | 3.0 | 1.8 | 7.6 | >5000 | 720 |
| SEP<br>20... | 1000 | 938 | 7.51 | 28.0 | 60 | 2.3 | 0.2 | 8.1 | 330 | 560 |

| DATE | HARD-NESS TOTAL (MG/L AS CACO3) | CALCIUM DIS-SOLVED (MG/L AS CA) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) | SODIUM, DIS-SOLVED (MG/L AS NA) | POTAS-SIUM, DIS-SOLVED (MG/L AS K) | ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DIS-SOLVED (MG/L AS SO4) | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) | FLUO-RIDE, DIS-SOLVED (MG/L AS F) | SILICA, DIS-SOLVED (MG/L AS SIO2) | SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) | SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| APR<br>07... | 140 | 38 | 12 | 50 | 4.1 | 123 | 31 | 66 | 0.4 | -- | 273 | -- |
| MAY<br>26... | 180 | 36 | 23 | 150 | 6.6 | 154 | 36 | 160 | 0.6 | 10 | 500 | 518 |
| JUN<br>16... | 200 | 52 | 17 | 90 | 7.4 | 205 | 50 | 110 | 0.6 | 11 | 472 | 471 |
| JUL<br>12... | 210 | 53 | 19 | 110 | 9.4 | 185 | 58 | 150 | 0.8 | 8.6 | 531 | 529 |
| 27... | 260 | 64 | 24 | 140 | 11 | 256 | 80 | 170 | 1.4 | 9.2 | 674 | 667 |
| AUG<br>18... | 260 | 68 | 22 | 120 | 7.5 | 250 | 66 | 180 | 0.6 | 16 | 641 | 630 |
| SEP<br>20... | 250 | 64 | 22 | 130 | 8.2 | 230 | 52 | 180 | 0.5 | 16 | 637 | 615 |

| DATE | NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) | NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) | NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) | PHOS-PHOROUS TOTAL (MG/L AS P) |
|---|---|---|---|---|
| APR<br>07... | 0.39 | 1.5 | 2.5 | -- |
| MAY<br>26... | 0.05 | 2.5 | 4.0 | 2.5 |
| JUN<br>16... | 0.18 | 5.6 | 3.5 | 3.1 |
| JUL<br>12... | 0.75 | 4.5 | 5.6 | 3.8 |
| 27... | 0.62 | 8.8 | 9.8 | 5.1 |
| AUG<br>18... | 0.15 | 6.0 | 6.0 | 3.2 |
| SEP<br>20... | 0.08 | 2.8 | 3.9 | 2.7 |

> Actual value is known to be greater than the value shown.

K Results based on colony count outside the acceptable range (non-ideal colony count).

## JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC DATA STUDY--Continued

### 294957090095300 BAYOU SEGNETTE 4.6 MILES SOUTH OF WESTWEGO, LA

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | SPECIFIC CONDUCTANCE (US/CM) | PH (STANDARD UNITS) | TEMPERATURE WATER (DEG C) | COLOR (PLATINUM-COBALT UNITS) | TURBIDITY (NTU) | OXYGEN, DISSOLVED (MG/L) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) | STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) |
|---|---|---|---|---|---|---|---|---|---|---|
| APR<br>07... | 1035 | 467 | 6.40 | 21.0 | 120 | 3.3 | 1.4 | 3.7 | 120 | 460 |
| MAY<br>26... | 0950 | 758 | 7.67 | 26.0 | 70 | 10 | 7.0 | 3.9 | K120 | K35 |
| JUN<br>16... | 1140 | 895 | 7.84 | 30.0 | 70 | 6.9 | 8.7 | 5.3 | 90 | 56 |
| JUL<br>12... | 1015 | 1450 | 7.72 | 29.5 | 50 | 7.8 | 6.0 | 2.0 | 100 | 74 |
| 27... | 0910 | 1080 | 7.78 | 31.0 | 60 | 8.3 | 6.2 | 5.8 | K16 | K60 |
| AUG<br>18... | 0945 | 884 | 7.66 | 30.0 | 80 | 5.1 | 3.8 | 3.9 | 58 | 100 |
| SEP<br>20... | 1035 | 1380 | 7.20 | 29.5 | 60 | 2.6 | 1.4 | 4.2 | 160 | 1300 |

| DATE | HARDNESS TOTAL (MG/L AS CACO3) | CALCIUM DISSOLVED (MG/L AS CA) | MAGNESIUM, DISSOLVED (MG/L AS MG) | SODIUM, DISSOLVED (MG/L AS NA) | POTASSIUM, DISSOLVED (MG/L AS K) | ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DISSOLVED (MG/L AS SO4) | CHLORIDE, DISSOLVED (MG/L AS CL) | FLUORIDE, DISSOLVED (MG/L AS F) | SILICA, DISSOLVED (MG/L AS SIO2) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| APR<br>07... | 63 | 12 | 8.0 | 70 | 3.8 | 41 | 14 | 110 | <0.2 | -- | 256 | 243 |
| MAY<br>26... | 120 | 22 | 15 | 110 | 6.2 | 61 | 35 | 160 | 0.3 | 3.0 | 405 | 389 |
| JUN<br>16... | 130 | 24 | 18 | 130 | 6.6 | 67 | 48 | 190 | 0.3 | 2.5 | 469 | 460 |
| JUL<br>12... | 180 | 29 | 26 | 220 | 13 | 63 | 60 | 340 | 0.3 | 2.4 | 726 | 729 |
| 27... | 160 | 30 | 20 | 140 | 6.4 | 97 | 46 | 230 | 0.3 | 4.9 | 610 | 536 |
| AUG<br>18... | 170 | 37 | 18 | 110 | 5.7 | 115 | 51 | 170 | 0.3 | 9.6 | 517 | 472 |
| SEP<br>20... | 170 | 28 | 24 | 190 | 9.6 | 74 | 62 | 340 | 0.3 | 5.8 | 765 | 705 |

| DATE | NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) | NITROGEN, AMMONIA DISSOLVED (MG/L AS N) | NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) | PHOSPHOROUS TOTAL (MG/L AS P) |
|---|---|---|---|---|
| APR<br>07... | 0.05 | 0.13 | <0.20 | 0.35 |
| MAY<br>26... | 0.12 | 0.01 | 0.98 | 0.53 |
| JUN<br>16... | <0.02 | 0.01 | 0.93 | 0.42 |
| JUL<br>12... | 0.02 | 0.02 | 0.63 | 0.43 |
| 27... | 0.05 | 0.07 | 0.97 | 0.82 |
| AUG<br>18... | 0.12 | 0.62 | 1.7 | 0.91 |
| SEP<br>20... | 0.03 | 0.27 | 1.3 | 0.58 |

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal colony count).

## JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC DATA STUDY--Continued

## 294957090095300 BAYOU SEGNETTE 4.6 MILES SOUTH OF WESTWEGO, LA

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG) | NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N) | NITROGEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N) | CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN) | OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG) | ARSENIC DISSOLVED (UG/L AS AS) | ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS) | BERYLLIUM, DISSOLVED (UG/L AS BE) | BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G) | CADMIUM DISSOLVED (UG/L AS CD) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL<br>27... | 330000 | 240 | 57000 | <0.5 | <1 | 6 | 7 | <10 | <10 | 1 |

| DATE | CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD) | CHROMIUM, DISSOLVED (UG/L AS CR) | CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G) | COPPER, DISSOLVED (UG/L AS CU) | COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU) | IRON, DISSOLVED (UG/L AS FE) | LEAD, DISSOLVED (UG/L AS PB) | LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB) | MANGANESE, DISSOLVED (UG/L AS MN) |
|---|---|---|---|---|---|---|---|---|---|
| JUL<br>27... | <10 | <10 | 10 | 5 | 30 | 20 | <5 | <100 | <10 |

| DATE | MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G) | MERCURY DISSOLVED (UG/L AS HG) | MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG) | NICKEL, DISSOLVED (UG/L AS NI) | NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI) | SELENIUM, DISSOLVED (UG/L AS SE) | SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G) | ZINC, DISSOLVED (UG/L AS ZN) | ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN) |
|---|---|---|---|---|---|---|---|---|---|
| JUL<br>27... | 930 | <0.1 | 0.07 | 2 | <100 | <1 | <1 | 10 | 120 |

| DATE | PCB, TOTAL (UG/L) | PCB, TOTAL IN BOTTOM MATERIAL (UG/KG) | NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) | PCN, TOTAL IN BOTTOM MATERIAL (UG/KG) | ALDRIN, TOTAL (UG/L) | ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) | CHLORDANE, TOTAL (UG/L) | CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG) | DDD, TOTAL (UG/L) | DDD, TOTAL IN BOTTOM MATERIAL (UG/KG) | DDE, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL<br>27... | <0.1 | <100 | <0.1 | <100 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 |

| DATE | DDE, TOTAL IN BOTTOM MATERIAL (UG/KG) | DDT, TOTAL (UG/L) | DDT, TOTAL IN BOTTOM MATERIAL (UG/KG) | DIAZINON, TOTAL (UG/L) | DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG) | DIELDRIN TOTAL (UG/L) | DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) | ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG) | ENDRIN, TOTAL (UG/L) | ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL<br>27... | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <10 | <0.01 | <10 |

< Actual value is known to be less than the value shown.

## JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC DATA STUDY--Continued

### 294957090095300 BAYOU SEGNETTE 4.6 MILES SOUTH OF WESTWEGO, LA

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | ETHION, TOTAL (UG/L) | ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG) | HEPTACHLOR, TOTAL (UG/L) | HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG) | HEPTACHLOR EPOXIDE TOTAL (UG/L) | HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) | LINDANE TOTAL (UG/L) | LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG) | MALATHION, TOTAL (UG/L) | MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL | | | | | | | | | | |
| 27... | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 |

| DATE | METHOXYCHLOR, TOTAL (UG/L) | METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG) | METHYL PARATHION, TOTAL (UG/L) | METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG) | METHYL TRITHION, TOTAL (UG/L) | METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG) | MIREX, TOTAL (UG/L) | MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG) | PARATHION, TOTAL (UG/L) | PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL | | | | | | | | | | |
| 27... | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 |

| DATE | PERTHANE TOTAL (UG/L) | PERTHANE IN BOTTOM MATERIAL (UG/KG) | TOXAPHENE, TOTAL (UG/L) | TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG) | TOTAL TRITHION (UG/L) | TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG) | 2,4-D, TOTAL (UG/L) | 2, 4-DP TOTAL (UG/L) | 2,4,5-T TOTAL (UG/L) | SILVEX, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL | | | | | | | | | | |
| 27... | <0.01 | <10 | <0.5 | <500 | <0.05 | <10 | <0.1 | 0.3 | <0.1 | <0.1 |

< Actual value is known to be less than the value shown.

## ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

## JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC-DATA STUDY--Continued

## 294844090073900 KENTA CANAL NORTHWEST OF CROWN POINT

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | SPE-CIFIC CON-DUCT-ANCE (US/CM) | PH (STAND-ARD UNITS) | TEMPER-ATURE WATER (DEG C) | COLOR (PLAT-INUM-COBALT UNITS) | TUR-BID-ITY (NTU) | OXYGEN, DIS-SOLVED (MG/L) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) | STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) |
|---|---|---|---|---|---|---|---|---|---|---|
| APR | | | | | | | | | | |
| 07... | 1020 | 507 | 6.40 | 20.5 | 120 | 1.6 | 1.6 | 3.8 | K40 | 560 |
| MAY | | | | | | | | | | |
| 26... | 0940 | 1220 | 7.20 | 26.0 | 100 | 2.6 | -- | -- | K40 | 300 |
| JUN | | | | | | | | | | |
| 16... | 1125 | 963 | 7.53 | 30.0 | 100 | 3.4 | 7.4 | 6.9 | K16 | 100 |
| JUL | | | | | | | | | | |
| 12... | 0955 | 1500 | 7.45 | 30.0 | 40 | 3.6 | 5.6 | 2.7 | K8 | K30 |
| 27... | 0934 | 1480 | 7.08 | 30.0 | 100 | 2.4 | 1.2 | 8.2 | K10 | K16 |
| SEP | | | | | | | | | | |
| 20... | 1015 | 1400 | 6.80 | 28.5 | 70 | 1.0 | 0.3 | 3.6 | K90 | 820 |

| DATE | HARD-NESS TOTAL (MG/L AS CACO3) | CALCIUM DIS-SOLVED (MG/L AS CA) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) | SODIUM, DIS-SOLVED (MG/L AS NA) | POTAS-SIUM, DIS-SOLVED (MG/L AS K) | ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DIS-SOLVED (MG/L AS SO4) | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) | FLUO-RIDE, DIS-SOLVED (MG/L AS F) | SILICA, DIS-SOLVED (MG/L AS SIO2) | SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) | SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| APR | | | | | | | | | | | | |
| 07... | 60 | 11 | 8.0 | 75 | 3.8 | 35 | 10 | 120 | <0.2 | -- | 265 | -- |
| MAY | | | | | | | | | | | | |
| 26... | 160 | 26 | 22 | 170 | 6.4 | 78 | 30 | 280 | 0.5 | 4.3 | 639 | 586 |
| JUN | | | | | | | | | | | | |
| 16... | 140 | 25 | 18 | 140 | 5.9 | 76 | 34 | 220 | 0.3 | 2.8 | 505 | 492 |
| JUL | | | | | | | | | | | | |
| 12... | 190 | 29 | 28 | 220 | 13 | 60 | 59 | 370 | 0.2 | 1.7 | 802 | 757 |
| 27... | 170 | 28 | 24 | 220 | 5.8 | 96 | 25 | 370 | 0.4 | 5.1 | 844 | 736 |
| SEP | | | | | | | | | | | | |
| 20... | 150 | 22 | 24 | 210 | 9.0 | 60 | 50 | 360 | 0.4 | 4.6 | 778 | 716 |

| DATE | NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) | NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) | NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) | PHOS-PHOROUS TOTAL (MG/L AS P) |
|---|---|---|---|---|
| APR | | | | |
| 07... | 0.03 | 0.04 | <0.2 | 0.22 |
| MAY | | | | |
| 26... | <0.02 | 0.02 | 1.2 | 0.26 |
| JUN | | | | |
| 16... | <0.02 | 0.02 | 1.1 | 0.35 |
| JUL | | | | |
| 12... | <0.02 | 0.03 | 0.7 | 0.26 |
| 27... | <0.02 | 0.02 | 1.2 | 0.44 |
| SEP | | | | |
| 20... | <0.02 | <0.01 | 0.8 | 0.20 |

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal colony count).

## JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC-DATA STUDY--Continued

## 294844090073900 KENTA CANAL NORTHWEST OF CROWN POINT

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG) | NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N) | NITROGEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N) | CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN) | OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG) | ARSENIC DISSOLVED (UG/L AS AS) | ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS) | BERYLLIUM, DISSOLVED (UG/L AS BE) | BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G) | CADMIUM DISSOLVED (UG/L AS CD) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 27... | 310000 | 220 | 48000 | <0.5 | <1 | 1 | 5 | <10 | <10 | <1 |

| DATE | CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD) | CHROMIUM, DISSOLVED (UG/L AS CR) | CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G) | COPPER, DISSOLVED (UG/L AS CU) | COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU) | IRON, DISSOLVED (UG/L AS FE) | LEAD, DISSOLVED (UG/L AS PB) | LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB) | MANGANESE, DISSOLVED (UG/L AS MN) |
|---|---|---|---|---|---|---|---|---|---|
| JUL 27... | <10 | <10 | 9 | 4 | 20 | 50 | <5 | <100 | 170 |

| DATE | MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G) | MERCURY DISSOLVED (UG/L AS HG) | MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG) | NICKEL, DISSOLVED (UG/L AS NI) | NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI) | SELENIUM, DISSOLVED (UG/L AS SE) | SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G) | ZINC, DISSOLVED (UG/L AS ZN) | ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN) |
|---|---|---|---|---|---|---|---|---|---|
| JUL 27... | 210 | 0.1 | 0.07 | 2 | <100 | <1 | <1 | 10 | 80 |

| DATE | PCB, TOTAL (UG/L) | PCB, TOTAL IN BOTTOM MATERIAL (UG/KG) | NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) | PCN, TOTAL IN BOTTOM MATERIAL (UG/KG) | ALDRIN, TOTAL (UG/L) | ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) | CHLORDANE, TOTAL (UG/L) | CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG) | DDD, TOTAL (UG/L) | DDD, TOTAL IN BOTTOM MATERIAL (UG/KG) | DDE, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL 27... | <0.1 | <100 | <0.1 | <100 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 |

| DATE | DDE, TOTAL IN BOTTOM MATERIAL (UG/KG) | DDT, TOTAL (UG/L) | DDT, TOTAL IN BOTTOM MATERIAL (UG/KG) | DIAZINON, TOTAL (UG/L) | DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG) | DIELDRIN TOTAL (UG/L) | DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) | ENDOSULFAN, TOTAL (UG/L) | ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG) | ENDRIN, TOTAL (UG/L) | ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL 27... | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 |

< Actual value is known to be less than the value shown.

## JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC-DATA STUDY--Continued

### 294844090073900 KENTA CANAL NORTHWEST OF CROWN POINT

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | ETHION, TOTAL (UG/L) | ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG) | HEPTACHLOR, TOTAL (UG/L) | HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG) | HEPTACHLOR EPOXIDE TOTAL (UG/L) | HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) | LINDANE TOTAL (UG/L) | LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG) | MALATHION, TOTAL (UG/L) | MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 27... | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 |

| DATE | METHOXYCHLOR, TOTAL (UG/L) | METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG) | METHYL PARATHION, TOTAL (UG/L) | METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG) | METHYL TRITHION, TOTAL (UG/L) | METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG) | MIREX, TOTAL (UG/L) | MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG) | PARATHION, TOTAL (UG/L) | PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 27... | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 |

| DATE | PERTHANE TOTAL (UG/L) | PERTHANE IN BOTTOM MATERIAL (UG/KG) | TOXAPHENE, TOTAL (UG/L) | TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG) | TOTAL TRITHION (UG/L) | TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG) | 2,4-D, TOTAL (UG/L) | 2, 4-DP TOTAL (UG/L) | 2,4,5-T TOTAL (UG/L) | SILVEX, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 27... | <0.01 | <10 | <0.5 | <500 | <0.01 | <10 | <0.1 | <0.1 | <0.1 | <0.1 |

< Actual value is known to be less than the value shown.

## ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

## JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC-DATA STUDY--Continued

## 294551090061500 KENTA CANAL WEST OF CROWN POINT,LA

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | SPECIFIC CONDUCTANCE (US/CM) | PH (STANDARD UNITS) | TEMPERATURE WATER (DEG C) | COLOR (PLATINUM-COBALT UNITS) | TURBIDITY (NTU) | OXYGEN, DISSOLVED (MG/L) | OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) | COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) | STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) |
|---|---|---|---|---|---|---|---|---|---|---|
| APR | | | | | | | | | | |
| 07... | 1240 | 434 | 7.08 | 21.5 | 120 | 2.2 | -- | 4.5 | K80 | 4200 |
| MAY | | | | | | | | | | |
| 26... | 1130 | 1130 | 7.53 | 27.0 | 80 | 6.7 | 3.1 | 6.6 | K30 | 240 |
| JUN | | | | | | | | | | |
| 16... | 1000 | 3330 | 7.72 | 27.0 | 60 | 11 | 4.4 | 4.5 | 120 | K2000 |
| JUL | | | | | | | | | | |
| 12... | 1140 | 4050 | 7.85 | 29.5 | 20 | 9.2 | 4.8 | 3.2 | 82 | 240 |
| 27... | 1124 | 2070 | 7.59 | 29.5 | 50 | 28 | 4.0 | 6.3 | 120 | 1400 |
| AUG | | | | | | | | | | |
| 18... | 1115 | 1020 | 7.24 | 27.0 | 140 | 5.1 | 2.3 | 5.2 | 550 | 2000 |
| SEP | | | | | | | | | | |
| 20... | 1130 | 1140 | 7.26 | 29.5 | 70 | 3.0 | 0.1 | 6.9 | K240 | 3500 |

| DATE | HARDNESS TOTAL (MG/L AS CACO3) | CALCIUM DISSOLVED (MG/L AS CA) | MAGNESIUM, DISSOLVED (MG/L AS MG) | SODIUM, DISSOLVED (MG/L AS NA) | POTASSIUM, DISSOLVED (MG/L AS K) | ALKALINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DISSOLVED (MG/L AS SO4) | CHLORIDE, DISSOLVED (MG/L AS CL) | FLUORIDE, DISSOLVED (MG/L AS F) | SILICA, DISSOLVED (MG/L AS SIO2) | SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| APR | | | | | | | | | | | | |
| 07... | 72 | 15 | 8.5 | 60 | 3.3 | 38 | 13 | 91 | <0.2 | -- | 229 | -- |
| MAY | | | | | | | | | | | | |
| 26... | 180 | 35 | 22 | 160 | 6.1 | 98 | 52 | 250 | 0.4 | 5.8 | 585 | 590 |
| JUN | | | | | | | | | | | | |
| 16... | 390 | 57 | 60 | 520 | 24 | 108 | 170 | 860 | 0.5 | 3.7 | 1830 | 1760 |
| JUL | | | | | | | | | | | | |
| 12... | 470 | 62 | 77 | 620 | 31 | 112 | 210 | 1100 | 0.4 | 1.5 | 2200 | 2170 |
| 27... | 300 | 55 | 40 | 280 | 10 | 147 | 73 | 500 | 0.5 | 7.5 | 1200 | 1050 |
| AUG | | | | | | | | | | | | |
| 18... | 140 | 28 | 18 | 140 | 6.6 | 101 | 40 | 240 | 0.4 | 6.6 | 601 | 541 |
| SEP | | | | | | | | | | | | |
| 20... | 210 | 44 | 24 | 140 | 8.7 | 131 | 80 | 210 | 0.5 | 13 | 650 | 599 |

| DATE | NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) | NITROGEN, AMMONIA DISSOLVED (MG/L AS N) | NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) | PHOSPHOROUS TOTAL (MG/L AS P) |
|---|---|---|---|---|
| APR | | | | |
| 07... | 0.02 | 0.04 | <0.20 | 0.25 |
| MAY | | | | |
| 26... | 0.04 | 0.06 | 0.80 | 0.28 |
| JUN | | | | |
| 16... | 0.73 | 0.08 | 1.0 | 0.18 |
| JUL | | | | |
| 12... | 0.48 | 0.07 | 0.75 | 0.19 |
| 27... | 0.06 | 0.10 | 1.1 | 0.52 |
| AUG | | | | |
| 18... | 0.05 | 0.15 | 1.6 | 0.52 |
| SEP | | | | |
| 20... | <0.02 | 0.03 | 1.3 | 0.49 |

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal colony count).

## JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC-DATA STUDY--Continued

## 294539090084500 BAYOU SEGNETTE NEAR BARATARIA, LA

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | TIME | SPE-CIFIC CON-DUCT-ANCE (US/CM) | PH (STAND-ARD UNITS) | TEMPER-ATURE WATER (DEG C) | COLOR (PLAT-INUM-COBALT UNITS) | TUR-BID-ITY (NTU) | OXYGEN, DIS-SOLVED (MG/L) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) | COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) | STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) |
|---|---|---|---|---|---|---|---|---|---|---|
| APR | | | | | | | | | | |
| 07... | 1055 | 607 | 6.50 | 21.5 | 120 | 4.9 | 3.6 | 3.2 | K90 | 620 |
| MAY | | | | | | | | | | |
| 26... | 1005 | 710 | 7.76 | 25.0 | 70 | 22 | 7.3 | 2.2 | K30 | K310 |
| JUN | | | | | | | | | | |
| 16... | 1155 | 1070 | 7.69 | 31.0 | 80 | 6.2 | 6.9 | 4.5 | K6 | K30 |
| JUL | | | | | | | | | | |
| 12... | 1025 | 1840 | 7.46 | 30.0 | 40 | 5.8 | 5.7 | 1.9 | K12 | K38 |
| 27... | 0855 | 1280 | 7.18 | 31.0 | 60 | 10 | 3.6 | 4.1 | K4 | K120 |
| AUG | | | | | | | | | | |
| 18... | 1000 | 1440 | 7.35 | 30.0 | 80 | 5.2 | 3.6 | 2.7 | K22 | 62 |
| SEP | | | | | | | | | | |
| 20... | 1025 | 1650 | 7.10 | 29.5 | 40 | 3.6 | 3.3 | 2.3 | K20 | 240 |

| DATE | HARD-NESS TOTAL (MG/L AS CACO3) | CALCIUM DIS-SOLVED (MG/L AS CA) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) | SODIUM, DIS-SOLVED (MG/L AS NA) | POTAS-SIUM, DIS-SOLVED (MG/L AS K) | ALKA-LINITY WAT WH TOT FET FIELD MG/L AS CACO3 | SULFATE DIS-SOLVED (MG/L AS SO4) | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) | FLUO-RIDE, DIS-SOLVED (MG/L AS F) | SILICA, DIS-SOLVED (MG/L AS SIO2) | SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) | SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| APR | | | | | | | | | | | | |
| 07... | 71 | 12 | 10 | 95 | 4.7 | 38 | 14 | 140 | 0.2 | -- | 385 | -- |
| MAY | | | | | | | | | | | | |
| 26... | 98 | 16 | 14 | 100 | 6.2 | 49 | 29 | 160 | 0.3 | 3.9 | 353 | 360 |
| JUN | | | | | | | | | | | | |
| 16... | 130 | 19 | 20 | 160 | 8.2 | 53 | 46 | 250 | 0.3 | 2.5 | 548 | 538 |
| JUL | | | | | | | | | | | | |
| 12... | 200 | 28 | 31 | 280 | 15 | 53 | 72 | 460 | 0.2 | 1.8 | 974 | 920 |
| 27... | 150 | 24 | 22 | 180 | 7.8 | 73 | 50 | 300 | 0.3 | 3.2 | 718 | 631 |
| AUG | | | | | | | | | | | | |
| 18... | 170 | 26 | 26 | 220 | 8.6 | 80 | 52 | 380 | 0.3 | 5.4 | 818 | 767 |
| SEP | | | | | | | | | | | | |
| 20... | 170 | 22 | 28 | 240 | 11 | 53 | 66 | 430 | 0.3 | 3.4 | 906 | 833 |

| DATE | NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) | NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) | NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) | PHOS-PHOROUS TOTAL (MG/L AS P) |
|---|---|---|---|---|
| APR | | | | |
| 07... | 0.06 | 0.05 | <0.20 | 0.16 |
| MAY | | | | |
| 26... | 0.16 | 0.02 | 0.72 | 0.16 |
| JUN | | | | |
| 16... | <0.02 | 0.01 | 0.75 | 0.20 |
| JUL | | | | |
| 12... | <0.02 | 0.02 | 0.57 | 0.14 |
| 27... | 0.03 | 0.06 | 1.0 | 0.32 |
| AUG | | | | |
| 18... | 0.04 | 0.06 | 1.2 | 0.32 |
| SEP | | | | |
| 20... | 0.03 | 0.01 | 0.76 | 0.18 |

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal colony count).

## ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

## JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC-DATA STUDY--Continued

### 294539090084500 BAYOU SEGNETTE NEAR BARATARIA, LA

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG) | NITROGEN,NH4 TOTAL IN BOT. MAT. (MG/KG AS N) | NITROGEN,NH4 + ORG. TOT IN BOT MAT (MG/KG AS N) | CYANIDE TOTAL IN BOTTOM MATERIAL (UG/G AS CN) | OIL AND GREASE, TOT. IN BOT MAT GRAVIMETRIC (MG/KG) | ARSENIC DISSOLVED (UG/L AS AS) | ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS) | BERYLLIUM, DISSOLVED (UG/L AS BE) | BERYLLIUM, RECOV. FM BOTTOM MATERIAL (UG/G) |
|---|---|---|---|---|---|---|---|---|---|
| JUL 27... | 710000 | 190 | 84000 | <0.5 | <1 | 3 | 4 | <10 | <10 |

| DATE | CADMIUM DISSOLVED (UG/L AS CD) | CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD) | CHROMIUM, DISSOLVED (UG/L AS CR) | CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G) | COPPER, DISSOLVED (UG/L AS CU) | COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU) | LEAD, DISSOLVED (UG/L AS PB) | LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB) | MANGANESE, DISSOLVED (UG/L AS MN) |
|---|---|---|---|---|---|---|---|---|---|
| JUL 27... | 1 | <10 | <10 | 20 | 4 | 40 | <5 | <100 | 40 |

| DATE | MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G) | MERCURY DISSOLVED (UG/L AS HG) | MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG) | NICKEL, DISSOLVED (UG/L AS NI) | NICKEL, RECOV. FM BOTTOM MATERIAL (UG/G AS NI) | SELENIUM, DISSOLVED (UG/L AS SE) | SELENIUM, TOTAL IN BOTTOM MATERIAL (UG/G) | ZINC, DISSOLVED (UG/L AS ZN) | ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN) |
|---|---|---|---|---|---|---|---|---|---|
| JUL 27... | 1200 | 0.3 | 0.07 | 3 | <100 | <1 | <1 | 10 | 200 |

| DATE | PCB, TOTAL (UG/L) | PCB, TOTAL IN BOTTOM MATERIAL (UG/KG) | NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) | PCN, TOTAL IN BOTTOM MATERIAL (UG/KG) | ALDRIN, TOTAL (UG/L) | ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) | CHLORDANE, TOTAL (UG/L) | CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG) | DDD, TOTAL (UG/L) | DDD, TOTAL IN BOTTOM MATERIAL (UG/KG) | DDE, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL 27... | <0.1 | <100 | <0.1 | <100 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 |

| DATE | DDE, TOTAL IN BOTTOM MATERIAL (UG/KG) | DDT, TOTAL (UG/L) | DDT, TOTAL IN BOTTOM MATERIAL (UG/KG) | DIAZINON, TOTAL (UG/L) | DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG) | DIELDRIN TOTAL (UG/L) | DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) | ENDOSULFAN, TOTAL (UG/L) | ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG) | ENDRIN, TOTAL (UG/L) | ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL 27... | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 |

< Actual value is known to be less than the value shown.

## JEAN LAFITTE NATIONAL HISTORICAL PARK BASIC-DATA STUDY--Continued

## 294539090084500 BAYOU SEGNETTE NEAR BARATARIA, LA

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

| DATE | ETHION, TOTAL (UG/L) | ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG) | HEPTACHLOR, TOTAL (UG/L) | HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG) | HEPTACHLOR EPOXIDE TOTAL (UG/L) | HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) | LINDANE TOTAL (UG/L) | LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG) | MALATHION, TOTAL (UG/L) | MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 27... | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 |

| DATE | METHOXYCHLOR, TOTAL (UG/L) | METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG) | METHYL PARATHION, TOTAL (UG/L) | METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG) | METHYL TRITHION, TOTAL (UG/L) | METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG) | MIREX, TOTAL (UG/L) | MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG) | PARATHION, TOTAL (UG/L) | PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 27... | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 | <0.01 | <10 |

| DATE | PERTHANE TOTAL (UG/L) | PERTHANE IN BOTTOM MATERIAL (UG/KG) | TOXAPHENE, TOTAL (UG/L) | TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG) | TOTAL TRITHION (UG/L) | TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG) | 2,4-D, TOTAL (UG/L) | 2, 4-DP TOTAL (UG/L) | 2,4,5-T TOTAL (UG/L) | SILVEX, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|
| JUL 27... | <0.01 | <10 | <0.5 | <500 | <0.01 | <10 | <0.1 | <0.1 | <0.1 | <0.1 |

< Actual value is known to be less than the value shown.

## ACADIA PARISH

301832092234501 LOCAL WELL NUMBER: AC-326

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 32, T. 8S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 6 TO 2 IN., DEPTH 202 FT, SCREENED 192-202. MP TOP OF 6-IN. CASING, 1.15 FT ABOVE LSD.
LSD 25.8 FT ABOVE NGVD.
HIGHEST WATER LEVEL 48.61 BELOW LSD, MAR. 14, 1965.
LOWEST WATER LEVEL 83.93 BELOW LSD, JULY 5, 1969.
RECORDS AVAILABLE 1964-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 5, 1987 | 63.75 | JAN. 10, 1988 | 60.78 | APR. 5, 1988 | 61.06 | JULY 5, 1988 | 76.60 |
| OCT. 10 | 65.24 | JAN. 15 | 60.55 | APR. 10 | 60.98 | JULY 10 | 76.54 |
| OCT. 15 | 65.59 | JAN. 20 | 60.14 | APR. 15 | 63.50 | JULY 15 | 74.58 |
| OCT. 20 | 65.26 | JAN. 25 | 60.12 | APR. 20 | 67.20 | JULY 20 | 72.85 |
| OCT. 23 | 65.24H | JAN. 31 | 60.24 | APR. 25 | 70.32 | JULY 25 | 71.53 |
| OCT. 25 | 65.22 | FEB. 4 | 60.25H | APR. 30 | 72.17 | JULY 31 | 70.34 |
| OCT. 31 | 64.59 | FEB. 5 | 60.20 | MAY 5 | 71.83 | AUG. 4 | 69.55H |
| NOV. 5 | 63.95 | FEB. 10 | 60.10 | MAY 10 | 73.63 | AUG. 5 | 69.40 |
| NOV. 10 | 63.90 | FEB. 15 | 59.86 | MAY 15 | 76.00 | AUG. 10 | 69.18 |
| NOV. 15 | 63.44 | FEB. 20 | 59.53 | MAY 20 | 76.06 | AUG. 15 | 68.45 |
| NOV. 24 | 63.15H | FEB. 25 | 59.53 | MAY 25 | 75.69 | AUG. 20 | 68.11 |
| NOV. 25 | 63.05 | FEB. 29 | 59.59 | MAY 31 | 76.29 | AUG. 25 | 67.43 |
| NOV. 30 | 62.64 | MAR. 5 | 59.34 | JUNE 5 | 75.18 | AUG. 31 | 66.83 |
| DEC. 5 | 62.32 | MAR. 10 | 59.11 | JUNE 9 | 74.82H | SEP. 5 | 66.14 |
| DEC. 10 | 61.98 | MAR. 15 | 59.06 | JUNE 10 | 74.93 | SEP. 10 | 65.88 |
| DEC. 15 | 61.58 | MAR. 19 | 59.03J | JUNE 15 | 75.36 | SEP. 15 | 65.45 |
| DEC. 20 | 61.51 | MAR. 20 | 59.18 | JUNE 20 | 77.36 | SEP. 20 | 65.29 |
| DEC. 25 | 61.26 | MAR. 25 | 60.62 | JUNE 23 | 78.06J | SEP. 25 | 65.19 |
| DEC. 31 | 61.13 | MAR. 30 | 61.29H | JUNE 25 | 77.94 | SEP. 30 | 65.59 |
| JAN. 5, 1988 | 60.85 | MAR. 31 | 61.29 | JUNE 30 | 76.36 | | |

301832092234503 LOCAL WELL NUMBER: AC-335L

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 32, T. 8S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN EVANGELINE AQUIFER OF PLIOCENE-MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 1,363 FT, SCREENED 1,358-1,363. MP TOP OF 1 1/2-IN. PIPE, 3.00 FT ABOVE LSD.
LSD 24.55 FT ABOVE NGVD.
HIGHEST WATER LEVEL 50.43 BELOW LSD, MAR. 31, 1970.
LOWEST WATER LEVEL 64.00 BELOW LSD, FEB. 17, 1981.
RECORDS AVAILABLE 1966-79, 1981, 1983-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 23, 1987 | 57.82 | FEB. 4, 1988 | 57.72 | MAR. 30, 1988 | 57.30 | AUG. 4, 1988 | 58.44 |

301832092234504 LOCAL WELL NUMBER: AC-335U

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 32, T. 8S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 907 FT, SCREENED 902-907. MP TOP OF 1 1/2-IN. PIPE, 3.00 FT ABOVE LSD.
LSD 24.55 FT ABOVE NGVD.
HIGHEST WATER LEVEL 43.59 BELOW LSD, MAR. 5, 1968.
LOWEST WATER LEVEL 62.45 BELOW LSD, AUG. 21, 1974.
RECORDS AVAILABLE 1966-79, 1981, 1983-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 23, 1987 | 55.78B | FEB. 4, 1988 | 53.89 | MAR. 30, 1988 | 51.15 | AUG. 4, 1988 | 49.01 |

## AVOYELLES PARISH

311006092081501 LOCAL WELL NUMBER: AV-163

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 11, T. 2N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 1 1/4 IN., DEPTH 300 FT, SCREENED 295-300. MP TOP OF CASING, 1.50 FT ABOVE LSD.
LSD 78 FT ABOVE NGVD.
HIGHEST WATER LEVEL 23.65 BELOW LSD, APR. 15, 1975.
LOWEST WATER LEVEL 39.72 BELOW LSD, OCT. 13, 1972.
RECORDS AVAILABLE 1966-87.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| NOV. 19, 1987 | 32.82 | | | | | | |

SEE FOOTNOTES AT END OF TABLE.

## AVOYELLES PARISH

310453092022901 LOCAL WELL NUMBER: AV-164

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 47, T. 1N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 192 FT, SCREENED 182-192. MP TOP OF CASING, 3.13 FT ABOVE LSD.
LSD 80 FT ABOVE NGVD.
HIGHEST WATER LEVEL 33.78 BELOW LSD, JUNE 30, 1975.
LOWEST WATER LEVEL 41.69 BELOW LSD, OCT. 3, 1966.
RECORDS AVAILABLE 1966-79, 1985-87.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| NOV. 19, 1987 | 37.25 | | | | | | |

310339092101501 LOCAL WELL NUMBER: AV-166

OWNER: FIFTH WARD WATER DISTRICT. (SEC. 16, T. 1N., R. 3E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN THE EVANGELINE AQUIFER OF PLIOCENE-MIOCENE AGE, DIAM 10 IN., DEPTH 370 FT, SCREENED 320-370. MP TOP OF BREATHER PIPE, 2.00 FT ABOVE LSD.
LSD 76 FT ABOVE NGVD.
HIGHEST WATER LEVEL 36.34 BELOW LSD, MAY 12, 1966.
LOWEST WATER LEVEL 94.19 BELOW LSD, MAY 24, 1985.
RECORDS AVAILABLE 1966-87.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| NOV. 19, 1987 | 72.65B | | | | | | |

310453092022902 LOCAL WELL NUMBER: AV-177

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 47, T. 1N., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN., DEPTH 360 FT, SCREENED 350-360. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 80 FT ABOVE NGVD.
HIGHEST WATER LEVEL 34.30 BELOW LSD, APR. 15, 1975.
LOWEST WATER LEVEL 40.90 BELOW LSD, DEC. 10, 1981.
RECORDS AVAILABLE 1966-87.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| NOV. 19, 1987 | 39.12 | | | | | | |

311336092095901 LOCAL WELL NUMBER: AV-271

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 38, T. 3N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN, DEPTH 370 FT, SCREENED 365-370. MP TOP OF BUSHING, 3.35 FT ABOVE LSD.
LSD 95 FT ABOVE NGVD.
HIGHEST WATER LEVEL 55.05 BELOW LSD, JULY 18, 1973, JUNE 30, 1975.
LOWEST WATER LEVEL 67.49 BELOW LSD, MAR. 4, 1981.
RECORDS AVAILABLE 1966-84, 1986-87.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| NOV. 19, 1987 | 64.06 | | | | | | |

## BEAUREGARD PARISH

305018093251301 LOCAL WELL NUMBER: BE-443

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 5, T. 3S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 164 FT SCREENED 159-164. MP TOP OF 2-IN. GALV. PIPE, 2.40 FT ABOVE LSD.
LSD 206 FT ABOVE NGVD.
HIGHEST WATER LEVEL 34.16 BELOW LSD, JUNE 26, 1975.
LOWEST WATER LEVEL 37.47 BELOW LSD, NOV. 7, 1978.
RECORDS AVAILABLE 1974-79, 1981, 1983-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 22, 1987 | 36.62 | FEB. 5, 1988 | 35.56 | JUNE 8, 1988 | 35.66 | AUG. 3, 1988 | 34.67 |

SEE FOOTNOTES AT END OF TABLE.

## BIENVILLE PARISH

321709092523901 LOCAL WELL NUMBER: BI-112

OWNER: CONTINENTAL CAN CO. (SEC. 16, T. 15N., R. 5W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE. DIAM 4 IN., DEPTH 348 FT, SCREENED 338-348. MP TOP OF BUSHING, 4.35 FT ABOVE LSD.
LSD 215 FT ABOVE NGVD.
HIGHEST WATER LEVEL 67.43 BELOW LSD, AUG. 5, 1966.
LOWEST WATER LEVEL 113.01 BELOW LSD, NOV. 3, 1983.
RECORDS AVAILABLE 1966, 1971-77, 1979-86, CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| APR. 21, 1988 | 110.01 | | | | | | |

323505092535001 LOCAL WELL NUMBER: BI-144

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 4, T. 18N., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 630 FT, SCREENED 620-630. MP TOP OF CASING, 2.85 FT ABOVE LSD.
LSD 320 FT ABOVE NGVD.
HIGHEST WATER LEVEL 198.27 BELOW LSD, SEP. 1, 1970.
LOWEST WATER LEVEL 230.49 BELOW LSD, SEP. 10, 1987.
RECORDS AVAILABLE 1970-73, 1975, 1977-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| APR. 26, 1988 | 226.79 | | | | | | |

## BOSSIER PARISH

322518093381701 LOCAL WELL NUMBER: BO-136

OWNER: LOUISIANA STATE UNIVERSITY RED RIVER VALLEY EXPERIMENT STATION. (SEC. 31, T. 17N., R. 12W.) DRILLED UNUSED ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 4 IN., DEPTH 180 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF BUSHING, 1.05 FT ABOVE LSD.
LSD 155.42 FT ABOVE NGVD.
HIGHEST WATER LEVEL 10.59 BELOW LSD, JUNE 10, 1958.
LOWEST WATER LEVEL 25.68 BELOW LSD, NOV. 27, 1978.
RECORDS AVAILABLE 1955-79, 1981-87.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| NOV. 6, 1987 | 18.01 | | | | | | |

323400093292201 LOCAL WELL NUMBER: BO-322

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 10, T. 18N., R. 11W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 66 FT, SCREENED 63-66. MP TOP OF CASING, AT LSD.
LSD 200 FT ABOVE NGVD.
HIGHEST WATER LEVEL 6.49 BELOW LSD, DEC. 13, 1983.
LOWEST WATER LEVEL 16.72 BELOW LSD, SEP. 24, 1984.
RECORDS AVAILABLE 1973, 1977-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| APR. 26, 1988 | 13.34 | | | | | | |

## CADDO PARISH

325045093513701 LOCAL WELL NUMBER: CD-345

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 6, T. 21N., R. 14W.) BORED OBSERVATION ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 54 FT, SCREENED 51-54. MP TOP OF CASING, 1.30 FT ABOVE LSD.
LSD 189.71 FT ABOVE NGVD.
HIGHEST WATER LEVEL 5.81 BELOW LSD, MAY 15, 1975.
LOWEST WATER LEVEL 18.46 BELOW LSD, SEP. 7, 1978.
RECORDS AVAILABLE 1957-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| MAR. 10, 1988 | 8.30 | | | | | | |

## CALCASIEU PARISH

301115093191501 LOCAL WELL NUMBER: CU-445

OWNER: CITIES SERVICE OIL CO. (SEC. 18, T. 10S., R. 9W.) DRILLED UNUSED ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 10 IN., DEPTH 540 FT, SCREENED 460-540. MP TOP OF RECORDER SHELTER FLOOR, 2.00 FT ABOVE LSD.
LSD 12.26 FT ABOVE NGVD.
HIGHEST WATER LEVEL 30.96 BELOW LSD, APR. 20, 1947.
LOWEST WATER LEVEL 177.75 BELOW LSD, AUG. 23, 1973.
RECORDS AVAILABLE 1945-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 5, 1987 | 104.54 | DEC. 10, 1987 | 104.19H | JUNE 5, 1988 | 105.90 | AUG. 4, 1988 | 112.01H |
| OCT. 10 | 104.06 | FEB. 16, 1988 | 103.33H | JUNE 9 | 107.14H | AUG. 5 | 112.10 |
| OCT. 15 | 104.19 | APR. 7 | 103.31H | JUNE 10 | 107.02 | AUG. 10 | 113.32 |
| OCT. 20 | 104.85 | APR. 10 | 102.26 | JUNE 15 | 109.12 | AUG. 15 | 112.98 |
| OCT. 23 | 103.63H | APR. 15 | 102.48 | JUNE 20 | 110.33 | AUG. 20 | 110.81 |
| OCT. 25 | 103.24 | APR. 20 | 102.16 | JUNE 25 | 109.78 | AUG. 25 | 113.47 |
| OCT. 31 | 104.23 | APR. 25 | 102.84 | JUNE 30 | 109.36 | AUG. 31 | 111.00 |
| NOV. 5 | 103.18 | APR. 30 | 103.82 | JULY 5 | 110.10 | SEP. 5 | 111.58 |
| NOV. 10 | 102.26 | MAY 5 | 103.38 | JULY 10 | 109.58 | SEP. 10 | 110.25 |
| NOV. 15 | 102.90 | MAY 10 | 103.68 | JULY 15 | 112.00 | SEP. 15 | 109.68 |
| NOV. 19 | 100.22J | MAY 15 | 102.51 | JULY 20 | 111.02 | SEP. 20 | 110.43 |
| NOV. 20 | 100.81 | MAY 20 | 105.48 | JULY 25 | 113.24 | SEP. 25 | 110.04 |
| NOV. 25 | 106.15 | MAY 25 | 105.38 | JULY 26 | 113.91J | SEP. 30 | 110.65 |
| NOV. 30 | 102.85 | MAY 31 | 106.58 | JULY 31 | 113.07 | | |

301115093191001 LOCAL WELL NUMBER: CU-446

OWNER: CITIES SERVICE OIL CO. (SEC. 18, T. 10S., R. 9W.) DRILLED UNUSED ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 10 IN., REPORTED DEPTH 738 FT, SCREENED 658-738. MP TOP OF RECORDER SHELTER FLOOR, 1.89 FT ABOVE LSD.
LSD 12.42 FT ABOVE NGVD.
HIGHEST WATER LEVEL 22.80 BELOW LSD, APR. 27, 1946.
LOWEST WATER LEVEL 129.80 BELOW LSD, AUG. 5, 1974.
RECORDS AVAILABLE 1945-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 23, 1987 | 86.10 | FEB. 16, 1988 | 83.56 | APR. 7, 1988 | 82.59 | AUG. 4, 1988 | 90.17 |

301148093193202 LOCAL WELL NUMBER: CU-843

OWNER: LOUISIANA DEPT. OF TRANSPORTATION AND DEVELOPMENT. (SEC. 18, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 205 FT, SCREENED 200-205. MP TOP OF CASING, 0.87 FT BELOW LSD.
LSD 12 FT ABOVE NGVD.
HIGHEST WATER LEVEL 51.76 BELOW LSD, APR. 7, 1988.
LOWEST WATER LEVEL 73.05 BELOW LSD, SEP. 10, 1974.
RECORDS AVAILABLE 1973-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 23, 1987 | 54.24 | FEB. 16, 1988 | 52.72 | APR. 7, 1988 | 51.76 | AUG. 4, 1988 | 53.10 |

## CATAHOULA PARISH

311500091582501 LOCAL WELL NUMBER: CT-74

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 8, T. 3N., R. 5E.) DRILLED OBSERVATION ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 196 FT, SCREENED 186-196. MP TOP OF BUSHING, 3.00 FT ABOVE LSD.
LSD 50 FT ABOVE NGVD.
HIGHEST WATER LEVEL 4.62 ABOVE LSD, APR. 16, 1975.
LOWEST WATER LEVEL 57.00 BELOW LSD, DEC. 29, 1980.
RECORDS AVAILABLE 1974-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 8, 1987 | 21.15 | JAN. 11, 1988 | 9.00 | APR. 18, 1988 | 10.35 | JULY 13, 1988 | 21.00 |
| NOV. 12 | 21.70 | FEB. 19 | 11.50 | MAY 12 | 16.50 | AUG. 12 | 19.90 |
| DEC. 4 | 16.15 | MAR. 5 | 11.75 | JUNE 8 | 17.90 | SEP. 14 | 21.30 |

SEE FOOTNOTES AT END OF TABLE.

## CONCORDIA PARISH

313604091481901 LOCAL WELL NUMBER: CO-50

OWNER: MONTEREY WATER SYSTEM. (SEC. 12, T. 7N., R. 6E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 4 IN., DEPTH 700 FT, SCREENED 680-700. MP TOP OF HOLE IN PUMP BASE, 2.00 FT ABOVE LSD.
LSD 55 FT ABOVE NGVD.
HIGHEST WATER LEVEL 4.01 BELOW LSD, AUG. 15, 1970.
LOWEST WATER LEVEL 55.43 BELOW LSD, SEP. 4, 1986.
RECORDS AVAILABLE 1970, 1977-87.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 2, 1987 | 36.66B | | | | | | |

## AST BATON ROUGE PARISH

302745091092401 LOCAL WELL NUMBER: EB-90

OWNER: BATON ROUGE WATER COMPANY. (SEC. 77, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 8 TO 6 TO 4 IN., REPORTED DEPTH 2,120 FT, SCREENED 2,025-2,120. MP TOP OF COLLAR, 1.90 FT ABOVE LSD.
LSD 59.05 FT ABOVE NGVD.
HIGHEST WATER LEVEL 12.70 ABOVE LSD, FEB. 23, 1943.
LOWEST WATER LEVEL 292.54 BELOW LSD, AUG. 31, 1973.
RECORDS AVAILABLE 1943-45, 1947-55, 1958-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 2, 1987 | 220.59 | JAN. 12, 1988 | 215.76 | APR. 12, 1988 | 212.97 | MAY 27, 1988 | 216.48 |
| OCT. 30 | 221.73 | FEB. 8 | 215.20 | MAY 6 | 216.86 | JULY 7 | 218.34 |
| DEC. 3 | 209.95 | MAR. 3 | 214.71 | | | | |

302657091101201 LOCAL WELL NUMBER: EB-112

OWNER: KEAN'S LAUNDRY. (SEC. 48, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 8 TO 6 TO 4 IN., REPORTED DEPTH 2,254 FT, SCREENED 2,173-2,254. MP TOP OF 1/2-IN. BUSHING, AT LSD.
LSD 57 FT ABOVE NGVD.
HIGHEST WATER LEVEL 74.00 ABOVE LSD, JAN. 2, 1930.
LOWEST WATER LEVEL 301.20 BELOW LSD, JULY 26, 1973.
RECORDS AVAILABLE 1930, 1940, 1943, 1959-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 20, 1987 | 230.55 | FEB. 26, 1988 | 223.96 | MAY 26, 1988 | 226.18 | | |

302604091095801 LOCAL WELL NUMBER: EB-123

OWNER: BATON ROUGE RECREATION AND PARK COMMISSION. (SEC. 53, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 12 TO 8 IN., DEPTH 710 FT, SCREENED 630-710. MP TOP OF RECORDER SHELTER FLOOR, 0.81 FT ABOVE LSD.
LSD 51.13 FT ABOVE NGVD.
HIGHEST WATER LEVEL 50.70 BELOW LSD, APR. 1, 1935.
LOWEST WATER LEVEL 143.70 BELOW LSD, SEP. 4, 1940.
RECORDS AVAILABLE 1935, 1939-40, 1947-49, 1956-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 20, 1987 | 72.28 | FEB. 26, 1988 | 65.51 | MAY 25, 1988 | 68.07 | | |

302617091103602 LOCAL WELL NUMBER: EB-127

OWNER: BROWN-EAGLE ICE CO. (SEC. 49, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("SHALLOW PLEISTOCENE" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 10 TO 8 IN., DEPTH 330 FT, SCREENED 229-330. MP TOP OF RECORDER BASE, 1.73 FT BELOW LSD.
LSD 49.56 FT ABOVE NGVD.
HIGHEST WATER LEVEL 14.66 BELOW LSD, APR. 27, 1979.
LOWEST WATER LEVEL 53.13 BELOW LSD, OCT. 26, 1956.
RECORDS AVAILABLE 1956-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 20, 1987 | 47.87 | FEB. 26, 1988 | 25.56 | MAY 26, 1988 | 40.09 | | |

SEE FOOTNOTES AT END OF TABLE.

302648091102301 LOCAL WELL NUMBER: EB-128

OWNER: DIVINCENTI BROS., INC. (SEC. 74, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("800-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE. DIAM 6 TO 4 IN., DEPTH 970 FT, SCREENED 840-883 AND 916-970. MP TOP OF 6-IN. CASING, AT LSD.
LSD 57.02 FT ABOVE NGVD.
HIGHEST WATER LEVEL 67.90 BELOW LSD, MAR. 15, 1946, MAR. 25, 1946.
LOWEST WATER LEVEL 128.42 BELOW LSD, SEP. 9, 1956.
RECORDS AVAILABLE 1940-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 20, 1987 | 76.49 | FEB. 26, 1988 | 70.16 | MAY 26, 1988 | 71.73 | | |

302653091095701 LOCAL WELL NUMBER: EB-146

OWNER: BATON ROUGE DEPT. PUBLIC WORKS. (SEC. 73, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 6 TO 4 IN., REPORTED DEPTH 1,259 FT, SCREENED 1,199-1,259. MP EDGE OF 1/4-IN. HOLE IN PLATE ATOP CASING, 0.45 FT BELOW LSD.
LSD 52 FT ABOVE NGVD.
HIGHEST WATER LEVEL 33.00 ABOVE LSD, MAR. 25, 1916.
LOWEST WATER LEVEL 118.15 BELOW LSD, JULY 12, 1979.
RECORDS AVAILABLE 1916, 1963-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 20, 1987 | 104.53 | FEB. 26, 1988 | 100.05 | MAY 26, 1988 | 101.86 | | |

302930091101501 LOCAL WELL NUMBER: EB-155

OWNER: EXXON CO., U.S.A. (SEC. 43, T. 6S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 18 TO 12 IN., REPORTED DEPTH 412 FT, SCREENED 311-412. MP TOP OF CASING COVER, 0.85 FT ABOVE LSD.
LSD 60.14 FT ABOVE NGVD.
HIGHEST WATER LEVEL 67.48 BELOW LSD, AUG. 6, 1988.
LOWEST WATER LEVEL 185.30 BELOW LSD, OCT. 15, 1968.
RECORDS AVAILABLE 1963-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 2, 1987 | 79.65H | JAN. 10, 1988 | 75.51 | APR. 10, 1988 | 72.48 | JULY 7, 1988 | 70.06H |
| OCT. 5 | 77.99 | JAN. 12 | 75.48H | APR. 12 | 69.23H | JULY 10 | 70.38 |
| OCT. 10 | 79.12 | JAN. 15 | 74.25 | APR. 15 | 71.50 | JULY 15 | 70.91 |
| OCT. 15 | 78.30 | JAN. 20 | 73.39 | APR. 20 | 72.17 | JULY 20 | 69.24 |
| OCT. 20 | 75.56 | JAN. 25 | 76.50 | APR. 25 | 72.52 | JULY 25 | 69.10 |
| OCT. 29 | 74.51H | JAN. 31 | 74.60 | APR. 30 | 70.96 | JULY 31 | 68.53 |
| OCT. 31 | 73.96 | FEB. 5 | 74.85 | MAY 5 | 68.54 | AUG. 5 | 68.19 |
| NOV. 5 | 74.86 | FEB. 8 | 79.66H | MAY 6 | 69.25H | AUG. 6 | 67.48J |
| NOV. 10 | 79.82 | FEB. 10 | 78.38 | MAY 10 | 72.51 | AUG. 10 | 69.84 |
| NOV. 15 | 80.52 | FEB. 15 | 79.53 | MAY 15 | 74.22 | AUG. 15 | 70.77 |
| NOV. 20 | 80.95 | FEB. 20 | 76.21 | MAY 20 | 82.65 | AUG. 20 | 68.99 |
| NOV. 25 | 80.66 | FEB. 25 | 76.72 | MAY 25 | 84.07 | AUG. 25 | 72.86 |
| NOV. 30 | 77.99 | FEB. 29 | 76.56 | MAY 27 | 85.97J | AUG. 26 | 73.50H |
| DEC. 5 | 78.36 | MAR. 3 | 80.84H | MAY 31 | 81.50H | AUG. 31 | 74.96 |
| DEC. 7 | 76.91H | MAR. 5 | 78.58 | JUNE 5 | 77.93 | SEP. 5 | 76.52 |
| DEC. 10 | 75.89 | MAR. 10 | 78.48 | JUNE 10 | 79.00 | SEP. 10 | 77.47 |
| DEC. 15 | 76.50 | MAR. 15 | 75.39 | JUNE 15 | 78.48 | SEP. 15 | 77.29H |
| DEC. 20 | 74.96 | MAR. 20 | 73.97 | JUNE 20 | 75.31 | SEP. 20 | 76.26 |
| DEC. 25 | 79.21 | MAR. 25 | 71.24 | JUNE 25 | 72.92 | SEP. 25 | 74.17 |
| DEC. 31 | 77.34 | MAR. 31 | 69.28 | JUNE 30 | 72.75 | SEP. 30 | 72.59H |
| JAN. 5, 1988 | 74.88 | APR. 5 | 67.79 | JULY 5 | 70.24 | | |

303001091093801 LOCAL WELL NUMBER: EB-168

OWNER: BATON ROUGE WATER COMPANY. (SEC. 38, T. 6S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 8 TO 6 IN., REPORTED DEPTH 1,496 FT, SCREENED 1,416-1,496. MP TOP EDGE OF 1 1/2-IN. COLLAR ON PLATE ATOP CASING, 1.95 FT ABOVE LSD.
LSD 56 FT ABOVE NGVD.
HIGHEST WATER LEVEL 14.00 ABOVE LSD, MAR. 1, 1943.
LOWEST WATER LEVEL 147.27 BELOW LSD, MAY 14, 1979.
RECORDS AVAILABLE 1943, 1948, 1967-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 2, 1987 | 138.06 | JAN. 12, 1988 | 132.64 | APR. 12, 1988 | 135.72 | JULY 7, 1988 | 133.33 |
| OCT. 30 | 136.73 | FEB. 8 | 135.39 | MAY 4 | 136.26 | AUG. 25 | 139.88 |
| DEC. 3 | 138.09 | MAR. 3 | 138.48 | MAY 27 | 138.53 | SEP. 30 | 138.35 |

SEE FOOTNOTES AT END OF TABLE.

## EAST BATON ROUGE PARISH

303358091094401 LOCAL WELL NUMBER: EB-172

OWNER: BATON ROUGE RECREATION AND PARK COMMISSION. (SEC. 54, T. 5S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 239 FT, SCREENED 218-239. MP TOP OF CASING, 0.50 FT ABOVE LSD.
LSD 66 FT ABOVE NGVD.
HIGHEST WATER LEVEL 40.80 BELOW LSD, APR. 23, 1985.
LOWEST WATER LEVEL 62.90 BELOW LSD, NOV. 15, 1968.
RECORDS AVAILABLE 1942, 1948-50, 1959-87.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 27, 1987 | 47.39 | | | | | | |

303026091113001 LOCAL WELL NUMBER: EB-297

OWNER: LOUISIANA OFFICE OF HIGHWAYS. (SEC. 37, T. 6S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN., DEPTH 1,940 FT, SCREENED 1,890-1,940. MP TOP OF 4-IN. NIPPLE ATOP 4-IN. CROSS, 2.20 FT ABOVE LSD.
LSD 61 FT ABOVE NGVD.
HIGHEST WATER LEVEL 200.22 BELOW LSD, NOV. 7, 1967.
LOWEST WATER LEVEL 336.23 BELOW LSD, AUG. 31, 1973.
RECORDS AVAILABLE 1966-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 2, 1987 | 240.04 | JAN. 12, 1988 | 240.56 | APR. 12, 1988 | 239.88 | JULY 7, 1988 | 245.74 |
| OCT. 30 | 243.64 | FEB. 8 | 243.31 | MAY 5 | 244.37 | AUG. 25 | 245.84 |
| DEC. 3 | 239.28 | MAR. 3 | 238.07 | MAY 31 | 245.38 | SEP. 30 | 250.23 |

302549091073101 LOCAL WELL NUMBER: EB-301

OWNER: P.C. WITTER. (IRREG. SEC. 91, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 1,281 FT, SCREENED 1,217-1,281. MP TOP OF 2 1/2-IN. COLLAR ABOVE PLATE ON 4-IN. TEE, 1.30 FT ABOVE LSD.
LSD 53.45 FT ABOVE NGVD.
HIGHEST WATER LEVEL 35.00 ABOVE LSD, AUG. 19, 1926.
LOWEST WATER LEVEL 110.82 BELOW LSD, OCT. 14, 1981.
RECORDS AVAILABLE 1926, 1943-44, 1946-49, 1953-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 20, 1987 | 98.35 | FEB. 26, 1988 | 89.97 | MAY 25 1988 | 93.31 | | |

303440090592702 LOCAL WELL NUMBER: EB-304

OWNER: GREENWELL SPRINGS HOSPITAL. (SEC. 49, T. 5S., R. 2E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 6 IN., DEPTH 1,725 FT, SCREENED 1,685-1,725. MP TOP OF 2-IN. COUPLING WELDED ON TOP OF CASING, 2.40 FT ABOVE LSD.
LSD 67 FT ABOVE NGVD.
HIGHEST WATER LEVEL 81.00 ABOVE LSD, DEC. 19, 1941.
LOWEST WATER LEVEL 64.85 BELOW LSD, NOV. 6, 1979.
RECORDS AVAILABLE 1941, 1943-46, 1949-51, 1954-70, 1976-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 29, 1987 | 54.33 | MAR. 2, 1988 | 51.86 | JUNE 27, 1988 | 52.60 | | |

303441091074201 LOCAL WELL NUMBER: EB-322

OWNER: JOSEPH ROY BADEAUX. (SEC. 29, T. 5S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 1/2 TO 2 IN., DEPTH 1,971 FT, SCREENED 1,931-1,971. MP TOP EDGE OF 2 1/2-IN. CASING, 0.25 FT ABOVE LSD.
LSD 68 FT ABOVE NGVD.
HIGHEST WATER LEVEL 67.00 ABOVE LSD, DEC. 6, 1942.
LOWEST WATER LEVEL 80.34 BELOW LSD, OCT. 31, 1980.
RECORDS AVAILABLE 1942-51, 1959, 1973-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 27, 1987 | 65.39 | MAR. 2, 1988 | 64.34 | JUNE 27, 1988 | 66.21 | | |

302820091072401 LOCAL WELL NUMBER: EB-327

OWNER: SPEDALE ESTATE. (SEC. 73, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 2 IN., REPORTED DEPTH 1,236 FT, SCREENED 1,186-1,236. MP TOP OF 2-IN. CASING EXTENSION, 1.40 FT ABOVE LSD.
LSD 55 FT ABOVE NGVD.
HIGHEST WATER LEVEL 100.10 BELOW LSD, FEB. 7, 1974.
LOWEST WATER LEVEL 119.58 BELOW LSD, JULY 16, 1979.
RECORDS AVAILABLE 1972-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 19, 1987 | 109.29 | FEB. 29, 1988 | 103.28 | MAY 25, 1988 | 104.69 | | |

302930091111301 LOCAL WELL NUMBER: EB-367

OWNER: GULF STATES UTILITIES CO. (SEC. 43, T. 6S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 12 TO 8 IN., REPORTED DEPTH 2,061 FT, SCREENED 1,961-2,061. MP ARROW ON PLATE ABOVE CASING, 0.40 FT ABOVE LSD.
LSD 64.4 FT ABOVE NGVD.
HIGHEST WATER LEVEL 5.00 BELOW LSD, JUNE 16, 1942.
LOWEST WATER LEVEL 372.20 BELOW LSD, AUG. 17, 1973.
RECORDS AVAILABLE 1942, 1964-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 2, 1987 | 267.33H | DEC. 20, 1987 | 271.45 | MAR. 5, 1988 | 264.75 | MAY 20, 1988 | 273.15 |
| OCT. 5 | 265.64 | DEC. 25 | 265.28 | MAR. 8 | 257.98J | MAY 25 | 268.83 |
| OCT. 10 | 267.54 | DEC. 31 | 265.79 | MAR. 10 | 259.68 | MAY 31 | 275.19H |
| OCT. 15 | 268.12 | JAN. 5, 1988 | 265.95 | MAR. 15 | 266.74 | JUNE 5 | 279.37 |
| OCT. 20 | 263.81 | JAN. 10 | 269.74 | MAR. 20 | 264.62 | JUNE 10 | 274.76 |
| OCT. 25 | 267.86 | JAN. 12 | 270.79H | MAR. 25 | 263.13 | JUNE 15 | 274.31 |
| OCT. 30 | 268.57H | JAN. 15 | 268.67 | MAR. 31 | 266.29 | JUNE 20 | 276.36 |
| OCT. 31 | 269.03 | JAN. 20 | 271.02 | APR. 5 | 263.17 | JUNE 25 | 274.85 |
| NOV. 5 | 268.25 | JAN. 25 | 272.28 | APR. 10 | 264.55 | JULY 7 | 273.58H |
| NOV. 10 | 266.10 | JAN. 31 | 269.42 | APR. 12 | 263.76H | AUG. 26 | 283.83H |
| NOV. 15 | 270.22 | FEB. 5 | 264.72 | APR. 15 | 267.22 | AUG. 31 | 283.75 |
| NOV. 20 | 267.79 | FEB. 8 | 271.09H | APR. 20 | 264.53 | SEP. 5 | 284.14 |
| NOV. 25 | 266.28 | FEB. 10 | 272.96 | APR. 25 | 267.18 | SEP. 10 | 284.78 |
| NOV. 30 | 265.48 | FEB. 15 | 269.00 | APR. 30 | 268.84 | SEP. 13 | 287.05J |
| DEC. 3 | 262.00H | FEB. 20 | 270.35 | MAY 5 | 270.80 | SEP. 15 | 285.20 |
| DEC. 5 | 267.39 | FEB. 25 | 270.01 | MAY 6 | 270.34H | SEP. 20 | 279.55 |
| DEC. 10 | 265.73 | FEB. 29 | 267.64 | MAY 10 | 272.17 | SEP. 25 | 270.91 |
| DEC. 15 | 266.50 | MAR. 3 | 266.13H | MAY 15 | 270.54 | SEP. 30 | 273.83H |

302619091104003 LOCAL WELL NUMBER: EB-434

OWNER: LOUISIANA OFFICE OF HIGHWAYS. (SEC. 49, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 8 TO 6 IN., REPORTED DEPTH 611 FT, SCREENED 551-611. MP 1/4-IN. HOLE IN TOP 8-IN. PLUG, 1.40 FT ABOVE LSD.
LSD 45.44 FT ABOVE NGVD.
HIGHEST WATER LEVEL 55.97 BELOW LSD, APR. 27, 1987.
LOWEST WATER LEVEL 125.57 BELOW LSD, OCT. 22, 1968.
RECORDS AVAILABLE 1961-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 20, 1987 | 64.02 | FEB. 26, 1988 | 56.98 | MAY 26, 1988 | 59.70 | | |

303408091075001 LOCAL WELL NUMBER: EB-468

OWNER: A.M. HOLDEN. (SEC. 53, T. 5S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN., DEPTH 2,407 FT, SCREENED 2,319-2,407. MP TOP EDGE OF 3/4-IN. HOLE IN SANITARY SEAL, 0.43 FT ABOVE LSD.
LSD 73 FT ABOVE NGVD.
HIGHEST WATER LEVEL 71.60 ABOVE LSD, FEB. 27, 1948.
LOWEST WATER LEVEL 67.00 BELOW LSD, OCT. 31, 1980.
RECORDS AVAILABLE 1948-51, 1953-67, 1969-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 29, 1987 | 59.29 | MAR. 2, 1988 | 57.53 | JUNE 27, 1988 | 61.22 | | |

SEE FOOTNOTES AT END OF TABLE.

## EAST BATON ROUGE PARISH

302654091101101 LOCAL WELL NUMBER: EB-500

OWNER: RED STICK LINEN SERVICE. (SEC. 46 T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE. DIAM 6 IN., ESTIMATED DEPTH 710 FT. SCREENED 663-710. MP TOP OF 2-IN. NIPPLE IN STEEL LINER, 2.54 FT ABOVE LSD.
LSD 57 FT ABOVE NGVD.
HIGHEST WATER LEVEL 68.29 BELOW LSD, APR. 27, 1987.
LOWEST WATER LEVEL 145.67 BELOW LSD, OCT. 16, 1948.
RECORDS AVAILABLE 1948, 1962, 1969-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 20, 1987 | 76.23 | FEB. 26, 1988 | 68.90 | MAY 26, 1988 | 71.12 | | |

303115091113701 LOCAL WELL NUMBER: EB-517C

OWNER: SOUTHERN UNIVERSITY. (SEC. 50, T. 6S., R. 1W.) DRILLED UNUSED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE. DIAM 12 TO 8 IN., DEPTH 2,590 FT. SCREENED 2,510-2,590. MP TOP OF 1/2-IN. HOLE IN SANITARY SEAL, 1.48 FT ABOVE LSD.
LSD 67 FT ABOVE NGVD.
HIGHEST WATER LEVEL 64.70 ABOVE LSD, AUG. 21, 1953.
LOWEST WATER LEVEL 59.39 BELOW LSD, OCT. 31, 1980.
RECORDS AVAILABLE 1953-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| JAN. 29, 1988 | 48.09 | MAR. 1, 1988 | 48.08 | JUNE 16, 1988 | 49.94 | | |

302149091101401 LOCAL WELL NUMBER: EB-575

OWNER: LOUISIANA STATE UNIVERSITY. (SEC. 68, T. 8S., R. 1W.) DRILLED IRRIGATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE. DIAM 12 TO 10 TO 6 IN., DEPTH 2,500 FT. SCREENED 2,440-2,500. MP CENTER LINE OF DISCHARGE PIPE, 3.40 FT ABOVE LSD.
LSD 20 FT ABOVE NGVD.
HIGHEST WATER LEVEL 70.00 ABOVE LSD, MAY 1, 1955.
LOWEST WATER LEVEL 5.10 ABOVE LSD, APR. 15, 1983.
RECORDS AVAILABLE 1955-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 19, 1987 | +6.00 | MAY 31, 1988 | +6.00 | | | | |

303904091093102 LOCAL WELL NUMBER: EB-578B

OWNER: CITY OF ZACHARY. (SEC. 81, T. 4S., R. 1W.) DRILLED UNUSED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE. DIAM 10 TO 6 TO 4 1/2 IN., DEPTH 2,132 FT. SCREENED 2,052-2,132. MP TOP INSIDE EDGE OF VALVE, 1.77 FT ABOVE LSD.
LSD 103 FT ABOVE NGVD.
HIGHEST WATER LEVEL 9.00 ABOVE LSD, OCT. 17, 1957.
LOWEST WATER LEVEL 98.83 BELOW LSD, JAN. 27, 1987.
RECORDS AVAILABLE 1957, 1960, 1969-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 27, 1987 | 86.09 | MAR. 2, 1988 | 85.83 | JUNE 27, 1988 | 87.36 | | |

303440090592703 LOCAL WELL NUMBER: EB-581

OWNER: GREENWELL SPRINGS HOSPITAL. (SEC. 49, T. 5S., R. 2E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE. DIAM 8 TO 6 IN., DEPTH 2,590 FT. SCREENED 2,540-2,590. MP TOP OF 1-IN. PIPE ON SIDE OF 8-IN. CASING, 1.90 FT ABOVE LSD.
LSD 67 FT ABOVE NGVD.
HIGHEST WATER LEVEL 54.40 ABOVE LSD, MAY 25, 1956.
LOWEST WATER LEVEL 45.79 BELOW LSD, JAN. 27, 1981.
RECORDS AVAILABLE 1956-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 29, 1987 | 37.77 | MAR. 2, 1988 | 38.63 | JULY 1, 1988 | 37.71 | | |

SEE FOOTNOTES AT END OF TABLE.

304141090585301 LOCAL WELL NUMBER. EB-647

OWNER: EAST BATON ROUGE PARISH SCHOOL BOARD. (SEC. 14, T. 4S., R. 2E.) DRILLED UNUSED INSTITUTIONAL ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE. DIAM 6 TO 4 IN., DEPTH 1,950 FT, SCREENED 1,910-1,950. MP BOTTOM EDGE OF 3/4-IN. COLLAR WELDED ON SIDE OF CASING, 1.28 FT ABOVE LSD.
LSD 107 FT ABOVE NGVD.
HIGHEST WATER LEVEL 15.20 ABOVE LSD, JAN. 7, 1958.
LOWEST WATER LEVEL 81.92 BELOW LSD, OCT. 8, 1981.
RECORDS AVAILABLE 1958-86, CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| FEB. 1, 1988 | 76.71 | | | | | | |

303154091083901 LOCAL WELL NUMBER: EB-652

OWNER: GREATER BATON ROUGE AIRPORT DISTRICT. (SEC. 90, T. 6S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE. DIAM 4 IN., DEPTH 1,345 FT, SCREENED 1,264-1,345. MP BREATHER-PIPE HOLE IN SANITARY SEAL, 0.43 FT ABOVE LSD.
LSD 68 FT ABOVE NGVD.
HIGHEST WATER LEVEL 45.42 BELOW LSD, APR. 29, 1958.
LOWEST WATER LEVEL 137.31 BELOW LSD, JULY 22, 1981.
RECORDS AVAILABLE 1958-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 27, 1987 | 131.89 | MAR. 1, 1988 | 131.70 | JUNE 16, 1988 | 134.23 | | |

303350091100901 LOCAL WELL NUMBER: EB-685

OWNER: BATON ROUGE RECREATION AND PARK COMMISSION. (SEC. 53, T. 5S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE. DIAM 6 TO 3 IN., DEPTH 1,640 FT, SCREENED 1,580-1,640. MP HOLE IN CENTER OF 6-IN. PLUG ATOP CASING, 1.73 FT ABOVE LSD.
LSD 65 FT ABOVE NGVD.
HIGHEST WATER LEVEL 48.95 BELOW LSD, APR. 30, 1959.
LOWEST WATER LEVEL 184.37 BELOW LSD, NOV 15, 1972.
RECORDS AVAILABLE 1959-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 29, 1987 | 161.25 | MAR. 1, 1988 | 14[illegible].37 | JUNE 27, 1988 | 156.77 | | |

302414091032601 LOCAL WELL NUMBER: EB-74[illegible]

OWNER: DOLESE CONCRETE CO. (SEC. 58, T. 7S., R. 2E.) DRILLED INDUSTRIAL ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE. DIAM 6 TO 4 IN., DEPTH 503 FT. SCREENED 483-503. MP LOWER EDGE OF 2-IN. PIPE WELDED TO CASING, 2.27 FT ABOVE LSD.
LSD 40 FT ABOVE NGVD.
HIGHEST WATER LEVEL 27.00 BELOW LSD, MAY 4, 1958.
LOWEST WATER LEVEL 58.35 BELOW LSD, OCT. 29, 1986.
RECORDS AVAILABLE 1958, 1970, 1972, 1980-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 19, 1987 | 52.48 | FEB. 29, 1988 | 47.80 | MAY 26, 1988 | 50.74 | | |

302509091082701 LOCAL WELL NUMBER: EB-778

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE. DIAM 4 TO 2 1/2 IN., DEPTH 2,586 FT. SCREENED 2,581-2,586. MP TOP OF CASING, 0.25 FT BELOW LSD.
LSD 28 FT ABOVE NGVD.
HIGHEST WATER LEVEL 40.10 ABOVE LSD, MAR. 16, 1965.
LOWEST WATER LEVEL 2.51 BELOW LSD, OCT. 25, 1982.
RECORDS AVAILABLE 1965-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 20, 1987 | +0.47 | MAR. 4, 1988 | +1.58 | MAY 27, 1988 | +1.65 | | |

SEE FOOTNOTES AT END OF TABLE.

## EAST BATON ROUGE PARISH

302509091082702 LOCAL WELL NUMBER: EB-780A

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., DEPTH 1,622 FT. SCREENED 1,617-1,622. MP TOP OF 4-IN. CASING, 0.14 FT ABOVE LSD.
LSD 28 FT ABOVE NGVD.
HIGHEST WATER LEVEL 2.26 ABOVE LSD, JAN. 12, 1966.
LOWEST WATER LEVEL 32.03 BELOW LSD, OCT. 14, 1981.
RECORDS AVAILABLE 1965-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 20, 1987 | 31.90 | MAR. 4, 1988 | 30.10 | MAY 27, 1988 | 30.92 | | |

302509091082703 LOCAL WELL NUMBER: EB-780B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., DEPTH 1,913 FT. SCREENED 1,908-1,913. MP TOP OF 4-IN. CASING, 0.14 FT ABOVE LSD.
LSD 28 FT ABOVE NGVD.
HIGHEST WATER LEVEL 8.58 ABOVE LSD, APR. 23, 1965.
LOWEST WATER LEVEL 27.15 BELOW LSD, OCT. 1, 1984.
RECORDS AVAILABLE 1965-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 20, 1987 | 26.10 | MAR. 4, 1988 | 24.24 | MAY 27, 1988 | 25.14 | | |

302535091090401 LOCAL WELL NUMBER: EB-781

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,286 FT. SCREENED 2,282-2,286. MP TOP EDGE OF 2-IN. STEEL AIR LINE, 2.82 FT ABOVE LSD.
LSD 28 FT ABOVE NGVD.
HIGHEST WATER LEVEL 119.12 BELOW LSD, MAR. 15, 1966.
LOWEST WATER LEVEL 241.60 BELOW LSD, AUG. 14, 1973.
RECORDS AVAILABLE 1965-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 19, 1987 | 184.48 | FEB. 26, 1988 | 177.58 | MAY 25, 1988 | 178.85 | | |

302535091090402 LOCAL WELL NUMBER: EB-782A

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,000-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., DEPTH 1,189 FT. SCREENED 1,184-1,189. MP TOP EDGE OF 3/8-IN. HOLE IN CAP, 2.00 FT ABOVE LSD.
LSD 28 FT ABOVE NGVD.
HIGHEST WATER LEVEL 18.54 BELOW LSD, MAY 19, 1975.
LOWEST WATER LEVEL 26.75 BELOW LSD, OCT. 22, 1981.
RECORDS AVAILABLE 1965-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 19, 1987 | 25.49 | FEB. 26, 1988 | 24.01 | MAY 25, 1988 | 23.48 | | |

302502091113601 LOCAL WELL NUMBER: EB-783A

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 54, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., DEPTH 2,179 FT. SCREENED 2,174-2,179. MP TOP EDGE OF 1/2-IN. HOLE IN SANITARY SEAL, 2.02 FT ABOVE LSD.
LSD 26 FT ABOVE NGVD.
HIGHEST WATER LEVEL 16.20 ABOVE LSD, MAR. 1, 1966.
LOWEST WATER LEVEL 62.58 BELOW LSD, OCT. 18, 1984.
RECORDS AVAILABLE 1965-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 19, 1987 | 54.02 | FEB. 26, 1988 | 49.71 | MAY 26, 1988 | 53.53 | | |

### 302502091113602 LOCAL WELL NUMBER: EB-783B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC 54, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 IN., DEPTH 2,675 FT, SCREENED 2,670-2,675. MP TOP OF 2-IN. LINER, 2.56 FT ABOVE LSD.

LSD 26 FT ABOVE NGVD.
HIGHEST WATER LEVEL 54.90 ABOVE LSD, MAR. 1, 1966.
LOWEST WATER LEVEL 40.45 BELOW LSD, JULY 22, 1977.
RECORDS AVAILABLE 1965-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 19, 1987 | +10.90 | FEB. 29, 1988 | +12.30 | MAY 26, 1988 | +11.70 | | |

### 302511091070401 LOCAL WELL NUMBER: EB-789A

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 93, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 711 FT, SCREENED 707-711. MP HOLE IN SANITARY SEAL, 0.61 FT ABOVE LSD.

LSD 37 FT ABOVE NGVD.
HIGHEST WATER LEVEL 9.50 BELOW LSD, MAY 17, 1979.
LOWEST WATER LEVEL 33.02 BELOW LSD, NOV. 14, 1966.
RECORDS AVAILABLE 1965-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 20, 1987 | 32.47 | FEB. 26, 1988 | 18.44 | MAY 25, 1988 | 26.13 | | |

### 302511091070402 LOCAL WELL NUMBER: EB-789B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 93, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 1,721 FT, SCREENED 1,717-1,721. MP TOP OF 2-IN. LINER, 0.88 FT ABOVE LSD.

LSD 37 FT ABOVE NGVD.
HIGHEST WATER LEVEL 6.15 BELOW LSD, MAR. 4, 1966.
LOWEST WATER LEVEL 40.75 BELOW LSD, OCT. 20, 1987.
RECORDS AVAILABLE 1965-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 20, 1987 | 40.75 | FEB. 26, 1988 | 38.61 | MAY 25, 1988 | 39.51 | | |

### 302605091080602 LOCAL WELL NUMBER: EB-792B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 95, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,286 FT, SCREENED 2,282-2,286. MP TOP OF AIR LINE IN 2-IN. LINER, 2.39 FT ABOVE LSD.

LSD 45 FT ABOVE NGVD.
HIGHEST WATER LEVEL 121.92 BELOW LSD, MAR. 28, 1966.
LOWEST WATER LEVEL 239.60 BELOW LSD, JULY 27, 1973.
RECORDS AVAILABLE 1965-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 20, 1987 | 186.43 | FEB. 26, 1988 | 179.28 | MAY 25, 1988 | 181.05 | | |

### 302719091103201 LOCAL WELL NUMBER: EB-793

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 71, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 687 FT, SCREENED 683-687. MP TOP EDGE OF 2-IN. LINER, 2.00 FT ABOVE LSD.

LSD 35.3 FT ABOVE NGVD.
HIGHEST WATER LEVEL 46.25 BELOW LSD, APR. 12, 1988.
LOWEST WATER LEVEL 121.55 BELOW LSD, OCT. 21, 1968.
RECORDS AVAILABLE 1965-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 30, 1987 | 55.63 | FEB. 8, 1988 | 48.75 | MAY 6, 1988 | 48.20 | AUG. 25, 1988 | 53.91 |
| DEC. 3 | 52.60 | MAR. 3 | 47.76 | MAY 31 | 50.69 | SEP. 30 | 49.57 |
| JAN. 12, 1988 | 49.61 | APR. 12 | 46.25 | JULY 7 | 53.82 | | |

SEE FOOTNOTES AT END OF TABLE.

## EAST BATON ROUGE PARISH

302559091110801 LOCAL WELL NUMBER: EB-794

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 52, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE. DIAM 4 TO 2 1/2 IN., DEPTH 2,709 FT, SCREENED 2,705-2,709. MP TOP EDGE OF 3/4-IN. PVC AIR LINE, 3.00 FT ABOVE LSD.
LSD 50.18 FT ABOVE NGVD.
HIGHEST WATER LEVEL 113.28 BELOW LSD, JULY 27, 1965.
LOWEST WATER LEVEL 204.76 BELOW LSD, JULY 13, 1979.
RECORDS AVAILABLE 1965-CURRENT YEAR

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 19, 1987 | 163.64 | FEB. 26, 1988 | 163.85 | MAY 26, 1988 | 165.34 | | |

302306091022602 LOCAL WELL NUMBER: EB-803B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 5, T. 8S., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE. DIAM 4 TO 2 1/2 IN., DEPTH 2,565 FT, SCREENED 2,561-2,565. MP TOP EDGE OF 4-IN. TEE, 1.65 FT ABOVE LSD.
LSD 27 FT ABOVE NGVD.
HIGHEST WATER LEVEL 53.10 ABOVE LSD, APR. 4, 1966.
LOWEST WATER LEVEL 11.60 ABOVE LSD, MAY 7, 1982.
RECORDS AVAILABLE 1966-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 19, 1987 | +18.20 | MAY 26, 1988 | +20.80 | | | | |

302428091035001 LOCAL WELL NUMBER: EB-804A

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 70, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,700-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE. DIAM 4 IN., DEPTH 1,950 FT, SCREENED 1,946-1,950. MP TOP OF 4-IN. CASING, 1.57 FT ABOVE LSD.
LSD 46 FT ABOVE NGVD.
HIGHEST WATER LEVEL 44.34 BELOW LSD, JUNE 9, 1967.
LOWEST WATER LEVEL 99.36 BELOW LSD, OCT. 14, 1981.
RECORDS AVAILABLE 1966-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 19, 1987 | 98.39 | MAY 26, 1988 | 97.41 | | | | |

302428091035002 LOCAL WELL NUMBER: EB-804B

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 70, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE. DIAM 4 TO 2 1/2 IN., DEPTH 2,762 FT, SCREENED 2,758-2,762. MP TOP OF 2-IN. LINER, 2.37 FT ABOVE LSD.
LSD 46 FT ABOVE NGVD.
HIGHEST WATER LEVEL 32.45 BELOW LSD, MAY 6, 1966, MAY 18, 1966.
LOWEST WATER LEVEL 103.10 BELOW LSD, NOV. 10, 1980.
RECORDS AVAILABLE 1966-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 19, 1987 | 85.99 | MAY 26, 1988 | 91.35 | | | | |

302428091035003 LOCAL WELL NUMBER: EB-805

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 70, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,000-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE. DIAM 4 TO 2 1/2 IN., DEPTH 1,072 FT, SCREENED 1,068-1,072. MP TOP OF 1/2-IN. HOLE IN CAP, 1.25 FT ABOVE LSD.
LSD 46 FT ABOVE NGVD.
HIGHEST WATER LEVEL 40.04 BELOW LSD, JUNE 9, 1967.
LOWEST WATER LEVEL 65.86 BELOW LSD, OCT. 19, 1987.
RECORDS AVAILABLE 1966-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 19, 1987 | 65.86 | MAY 26, 1988 | 64.92 | | | | |

SEE FOOTNOTES AT END OF TABLE.

302702091103902 LOCAL WELL NUMBER: EB-806B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 72, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE. DIAM 4 TO 2 1/2 IN., DEPTH 2,579 FT. SCREENED 2,575-2,579. MP TOP EDGE OF 1 1/2-IN. NIPPLE, 1.83 FT ABOVE LSD.
LSD 46.5 FT ABOVE NGVD.
HIGHEST WATER LEVEL 119.03 BELOW LSD, MAY 19, 1966.
LOWEST WATER LEVEL 204.05 BELOW LSD, JULY 12, 1979.
RECORDS AVAILABLE 1966-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 20, 1987 | 167.96 | FEB. 26, 1988 | 162.23 | MAY 26, 1988 | 169.47 | | |

302611091091201 LOCAL WELL NUMBER: EB-807A

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 96, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., DEPTH 1,713 FT. SCREENED 1,709-1,713. MP TOP OF 3/8-IN. HOLE IN CAP, 2.50 FT ABOVE LSD.
LSD 34.86 FT ABOVE NGVD.
HIGHEST WATER LEVEL 63.76 BELOW LSD, APR. 24, 1969.
LOWEST WATER LEVEL 132.01 BELOW LSD, SEP. 4, 1987.
RECORDS AVAILABLE 1966-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 19, 1987 | 130.47 | FEB. 26, 1988 | 130.83 | MAY 25, 1988 | 131.15 | | |

302611091091202 LOCAL WELL NUMBER: EB-807B

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 96, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE. DIAM 4 TO 2 1/2 IN., DEPTH 2,264 FT. SCREENED 2,260-2,264. MP TOP OF 3/8-IN. HOLE IN CAP, 2.50 FT ABOVE LSD.
LSD 34.86 FT ABOVE NGVD.
HIGHEST WATER LEVEL 132.14 BELOW LSD, MAY 19, 1966.
LOWEST WATER LEVEL 249.90 BELOW LSD, JULY 27, 1973.
RECORDS AVAILABLE 1966-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 19, 1987 | 189.85 | FEB. 26, 1988 | 182.37 | MAY 25, 1988 | 183.35 | | |

302501091101202 LOCAL WELL NUMBER: EB-819

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 67, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("SHALLOW PLEISTOCENE" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 322 FT, SCREENED 316-322. MP TOP OF CASING, 0.59 FT ABOVE LSD.
LSD 25.68 FT ABOVE NGVD.
HIGHEST WATER LEVEL 9.60 ABOVE LSD, APR. 16, 1973, APR. 17, 1973.
LOWEST WATER LEVEL 20.40 BELOW LSD, OCT. 23, 1968.
RECORDS AVAILABLE 1967-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| FEB. 1, 1988 | 2.30 | MAY 26, 1988 | 16.73 | AUG. 2, 1988 | 20.31 | | |

302510091105001 LOCAL WELL NUMBER: EB-820

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 54, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("SHALLOW PLEISTOCENE" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 259 FT, SCREENED 253-259. MP TOP OF CASING, 0.71 FT ABOVE LSD.
LSD 22.24 FT ABOVE NGVD.
HIGHEST WATER LEVEL 14.10 ABOVE LSD, APR. 27, 1979.
LOWEST WATER LEVEL 17.74 BELOW LSD, OCT. 23, 1968.
RECORDS AVAILABLE 1967-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 19, 1987 | 17.65 | MAY 26, 1988 | 12.75 | | | | |

## EAST BATON ROUGE PARISH

302510091105003 LOCAL WELL NUMBER: EB-822

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 54, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 573 FT, SCREENED 567-573. MP TOP OF COLLAR WELDED ON CASING, 0.58 FT ABOVE LSD.
LSD 22.6 FT ABOVE NGVD.
HIGHEST WATER LEVEL 12.30 ABOVE LSD, APR. 27, 1979.
LOWEST WATER LEVEL 19.48 BELOW LSD, OCT. 23, 1968.
RECORDS AVAILABLE 1967-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 19, 1987 | 18.22 | MAY 26, 1988 | 13.26 | | | | |

302553091092001 LOCAL WELL NUMBER: EB-824

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 96, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 581 FT, SCREENED 575-581. MP TOP OF CASING, 0.50 FT ABOVE LSD.
LSD 33.56 FT ABOVE NGVD.
HIGHEST WATER LEVEL 40.08 BELOW LSD, MAY 3, 1982.
LOWEST WATER LEVEL 90.29 BELOW LSD, OCT. 23, 1968.
RECORDS AVAILABLE 1967-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 19, 1987 | 48.33 | FEB. 26, 1988 | 41.67 | MAY 25, 1988 | 44.30 | | |

302553091092002 LOCAL WELL NUMBER: EB-825

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 96, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 475 FT, SCREENED 469-475. MP TOP OF CASING, 0.50 FT ABOVE LSD.
LSD 33.57 FT ABOVE NGVD.
HIGHEST WATER LEVEL 32.57 BELOW LSD, MAY 6, 1975.
LOWEST WATER LEVEL 63.45 BELOW LSD, NOV. 8, 1968.
RECORDS AVAILABLE 1967-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 19, 1987 | 41.53 | FEB. 26, 1988 | 38.01 | MAY 25, 1988 | 39.12 | | |

303023091075601 LOCAL WELL NUMBER: EB-826

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 40, T. 6S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 350 FT, SCREENED 344-350. MP TOP OF CASING, 0.50 FT ABOVE LSD.
LSD 56.77 FT ABOVE NGVD.
HIGHEST WATER LEVEL 55.40 BELOW LSD, MAY 6, 1975.
LOWEST WATER LEVEL 103.18 BELOW LSD, NOV. 1, 1968.
RECORDS AVAILABLE 1967-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| DEC. 8, 1987 | 58.46 | MAR. 4, 1988 | 57.36 | MAY 25, 1988 | 57.24 | | |

303356091095301 LOCAL WELL NUMBER: EB-827

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 54, T. 5S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 370 FT, SCREENED 364-370. MP TOP OF CASING, 0.50 FT ABOVE LSD.
LSD 63.96 FT ABOVE NGVD.
HIGHEST WATER LEVEL 38.82 BELOW LSD, MAY 15, 1979.
LOWEST WATER LEVEL 68.13 BELOW LSD, NOV. 1, 1968.
RECORDS AVAILABLE 1967-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 27, 1987 | 53.12 | MAR. 1, 1988 | 43.72 | JUNE 16, 1988 | 50.29 | | |

303912091150801 LOCAL WELL NUMBER: EB-849

OWNER: GEORGIA-PACIFIC CORP. (SEC. 31, T. 4S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 6 IN., DEPTH 1,380 FT. SCREENED 1,250-1,270 AND 1,350-1,380. MP TOP OF CASING, 1.70 FT ABOVE LSD.
LSD 91 FT ABOVE NGVD.
HIGHEST WATER LEVEL 47.79 BELOW LSD, FEB. 22, 1966.
LOWEST WATER LEVEL 139.14 BELOW LSD, OCT. 29, 1980.
RECORDS AVAILABLE 1966, 1968-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 27, 1987 | 131.25 | MAR. 3, 1988 | 130.99 | JUNE 28, 1988 | 134.67 | | |

302919091020601 LOCAL WELL NUMBER: EB-866

OWNER: SOUTH CENTRAL BELL TEL. CO. (SEC. 52, T. 6S., R. 2E.) DRILLED COMMERCIAL ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 400 FT. SCREENED 380-400. MP TOP OF CASING, 0.75 FT ABOVE LSD.
LSD 49 FT ABOVE NGVD.
HIGHEST WATER LEVEL 20.00 BELOW LSD, NOV. 9, 1979.
LOWEST WATER LEVEL 43.11 BELOW LSD, MAY 9, 1984.
RECORDS AVAILABLE 1970, 1973-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 20, 1987 | 40.59 | MAY 25, 1988 | 40.04 | | | | |

302729091100601 LOCAL WELL NUMBER: EB-870

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 44, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 692 FT. SCREENED 687-692. MP TOP OF CASING, AT LSD.
LSD 50 FT ABOVE NGVD.
HIGHEST WATER LEVEL 61.92 BELOW LSD, JUNE 23, 1987.
LOWEST WATER LEVEL 142.48 BELOW LSD, OCT. 5, 1971.
RECORDS AVAILABLE 1971-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 2, 1987 | 70.32 | JAN. 12, 1988 | 66.30 | APR. 12, 1988 | 62.92 | JULY 7, 1988 | 71.04 |
| OCT. 30 | 72.43 | FEB. 8 | 65.34 | MAY 6 | 65.08 | AUG. 25 | 69.97 |
| DEC. 3 | 70.17 | MAR. 3 | 64.63 | MAY 27 | 67.14 | SEP. 30 | 64.69 |

303905090583301 LOCAL WELL NUMBER: EB-896

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 51, T. 4S., R. 2E.) BORED OBSERVATION ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 73 FT, SCREENED 70-73. MP TOP OF 1 1/4-IN. CASING, AT LSD.
LSD 82 FT ABOVE NGVD.
HIGHEST WATER LEVEL 15.17 BELOW LSD, APR. 22, 1974.
LOWEST WATER LEVEL 18.31 BELOW LSD, OCT. 4, 1982.
RECORDS AVAILABLE 1972-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 29, 1987 | 17.42 | MAR. 2, 1988 | 16.84 | JUNE 28, 1988 | 16.95 | | |

302614091083001 LOCAL WELL NUMBER: EB-917

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 95, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 1,736 FT. SCREENED 1,731-1,736. MP TOP OF 4-IN. CASING, AT LSD.
LSD 46.56 FT ABOVE NGVD.
HIGHEST WATER LEVEL 116.98 BELOW LSD, APR. 10, 1978.
LOWEST WATER LEVEL 139.58 BELOW LSD, OCT. 2, 1981.
RECORDS AVAILABLE 1973-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 20, 1987 | 137.06 | FEB. 26, 1988 | 137.59 | MAY 25, 1988 | 137.71 | | |

## EAST BATON ROUGE PARISH

### 302547091074401 LOCAL WELL NUMBER: EB-918

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 91, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 1,834 FT, SCREENED 1,829-1,834. MP TOP EDGE OF 4-IN. COLLAR, AT LSD.
LSD 40 FT ABOVE NGVD.
HIGHEST WATER LEVEL 103.15 BELOW LSD, DEC. 12, 1973.
LOWEST WATER LEVEL 127.22 BELOW LSD, OCT. 14, 1981.
RECORDS AVAILABLE 1973-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 20, 1987 | 126.09 | FEB. 26, 1988 | 125.48 | MAY 25, 1988 | 124.75 | | |

### 302955091060601 LOCAL WELL NUMBER: EB-933

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 50, T. 6S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 603 FT, SCREENED 592-603. MP TOP OF 2-IN. CASING, 1.30 FT ABOVE LSD.
LSD 51 FT ABOVE NGVD.
HIGHEST WATER LEVEL 49.36 BELOW LSD, MAY 3, 1982.
LOWEST WATER LEVEL 67.84 BELOW LSD, NOV. 18, 1977.
RECORDS AVAILABLE 1974-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 19, 1987 | 54.14 | MAY 25, 1988 | 51.97 | | | | |

### 302955091060501 LOCAL WELL NUMBER: EB-934

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 50, T. 6S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 385 FT, SCREENED 372-385. MP TOP OF 2-IN. CASING, 1.10 FT ABOVE LSD.
LSD 51 FT ABOVE NGVD.
HIGHEST WATER LEVEL 40.08 BELOW LSD, MAY 22, 1975.
LOWEST WATER LEVEL 55.98 BELOW LSD, NOV. 18, 1977.
RECORDS AVAILABLE 1974-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 19, 1987 | 46.84 | MAY 25, 1988 | 45.08 | | | | |

### 302932091101901 LOCAL WELL NUMBER: EB-944

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 43, T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN., DEPTH 2,792 FT, SCREENED 2,782-2,792. MP TOP INSIDE EDGE OF SIDE OPENING OF 2-IN. TEE ON LINER, 1.63 FT ABOVE LSD.
LSD 59 FT ABOVE NGVD.
HIGHEST WATER LEVEL 33.53 BELOW LSD, FEB. 4, 1975.
LOWEST WATER LEVEL 52.25 BELOW LSD, FEB. 22, 1980.
RECORDS AVAILABLE 1975-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 2, 1987 | 37.45 | JAN. 12, 1988 | 36.73 | APR. 12, 1988 | 36.75 | JULY 7, 1988 | 38.53 |
| OCT. 29 | 38.30 | FEB. 8 | 37.33 | MAY 6 | 37.43 | AUG. 25 | 39.91 |
| DEC. 7 | 37.02 | MAR. 3 | 37.35 | MAY 31 | 37 90 | SEP. 30 | 41.14 |

### 302932091101902 LOCAL WELL NUMBER: EB-945

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 43, T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 654 FT, SCREENED 644-654. MP TOP INSIDE EDGE OF SIDE OPENING OF 2-IN. TEE ON LINER, 2.27 FT ABOVE LSD.
LSD 59 FT ABOVE NGVD.
HIGHEST WATER LEVEL 74.03 BELOW LSD, JUNE 25, 1987.
LOWEST WATER LEVEL 158.05 BELOW LSD, AUG. 26, 1976.
RECORDS AVAILABLE 1975-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 2, 1987 | 84.87 | JAN. 12, 1988 | 80.21 | APR. 12, 1988 | 76.70 | JULY 7, 1988 | 84.63 |
| OCT. 29 | 88.05 | FEB. 8 | 80.19 | MAY 6 | 82.36 | AUG. 25 | 78.72 |
| DEC. 7 | 83.58 | MAR. 3 | 78.12 | MAY 31 | 83.07 | SEP. 30 | 74.93 |

302932091101903 LOCAL WELL NUMBER: EB-946

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 43. T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE. DIAM 4 IN., DEPTH 1,234 FT. SCREENED 1,224-1,234. MP TOP INSIDE EDGE OF SIDE OPENING OF 2-IN. TEE ON LINER. 2.02 FT ABOVE LSD.
LSD 59 FT ABOVE NGVD.
HIGHEST WATER LEVEL 126.68 BELOW LSD. DEC. 8. 1986.
LOWEST WATER LEVEL 193.08 BELOW LSD. OCT. 2. 1978.
RECORDS AVAILABLE 1975-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 2. 1987 | 130.85 | JAN. 12. 1988 | 141.36 | APR. 12. 1988 | 133.35 | JULY 7. 1988 | 136.72 |
| OCT. 29 | 135.15 | FEB. 8 | 138.58 | MAY 6 | 133.60 | AUG. 25 | 126.75 |
| DEC. 7 | 141.90 | MAR. 3 | 137.25 | MAY 31 | 133.36 | SEP. 30 | 133.90 |

303251091115001 LOCAL WELL NUMBER: EB-1000

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 69. T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE. DIAM 2 1/2 IN., DEPTH 2,926 FT. SCREENED 2,916-2,926. MP TOP OF CASING. 3.00 FT ABOVE LSD.
LSD 68 FT ABOVE NGVD.
HIGHEST WATER LEVEL 44.15 BELOW LSD. APR. 22. 1985.
LOWEST WATER LEVEL 57.53 BELOW LSD. FEB. 26. 1980.
RECORDS AVAILABLE 1977-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 29. 1987 | 47.93 | MAR. 2. 1988 | 47.64 | JUNE 16. 1988 | 48.59 | | |

302238091102501 LOCAL WELL NUMBER: EB-1015

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 74. T. 8S., R. 1W.) BORED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN., DEPTH 171 FT. SCREENED 166-171. MP TOP EDGE OF 1 1/4-IN. TO 3/4-IN. REDUCER ATOP CASING. 2.39 FT ABOVE LSD.
LSD 24.78 FT ABOVE NGVD.
HIGHEST WATER LEVEL 4.39 ABOVE LSD. MAY 7. 1984.
LOWEST WATER LEVEL 19.83 BELOW LSD. JAN. 26. 1981.
RECORDS AVAILABLE 1979-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 19. 1987 | 19.32 | FEB. 26. 1988 | 2.59 | MAY 31. 1988 | 16.05 | | |

302919091020501 LOCAL WELL NUMBER: EB-1019

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 52. T. 6S., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE. DIAM 2 IN., DEPTH 700 FT. SCREENED 690-700. MP TOP OF 2-IN. CASING. AT LSD.
LSD 49 FT ABOVE NGVD.
HIGHEST WATER LEVEL 38.70 BELOW LSD. APR. 12. 1983.
LOWEST WATER LEVEL 46.54 BELOW LSD. OCT. 31. 1986.
RECORDS AVAILABLE 1979-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 20. 1987 | 46.22 | MAY 25. 1988 | 45.60 | | | | |

302605091100901 LOCAL WELL NUMBER: EB-1028

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 53. T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE. DIAM 2 1/2 IN., DEPTH 2,238 FT. SCREENED 2,223-2,238. MP TOP EDGE OF 1-IN. AIR-LINE COLLAR. 0.30 FT BELOW LSD.
LSD 40 FT ABOVE NGVD.
HIGHEST WATER LEVEL 175.10 BELOW LSD. APR. 27. 1987.
LOWEST WATER LEVEL 245.19 BELOW LSD. JULY 23. 1981.
RECORDS AVAILABLE 1981-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 19. 1987 | 200.78 | FEB. 26. 1988 | 192.41 | MAY 25. 1988 | 192.90 | | |

## EAST CARROLL PARISH

324040091110801 LOCAL WELL NUMBER: EC-55

OWNER: ELTON FORTENBERRY. (SEC. 38, T. 20N., R. 12E.) DRILLED IRRIGATION SEMIARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN., DEPTH 114 FT, SCREENED 74-114. MP TOP OF CASING, 0.50 FT ABOVE LSD.
LSD 97 FT ABOVE NGVD.
HIGHEST WATER LEVEL 0.26 BELOW LSD, MAY 16, 1973.
LOWEST WATER LEVEL 29.63 BELOW LSD, JUNE 22, 1964.
RECORDS AVAILABLE 1955, 1961-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| APR. 27, 1988 | 17.64 | | | | | | |

## EAST FELICIANA PARISH

305144091010901 LOCAL WELL NUMBER: EF-61

OWNER: TOWN OF CLINTON. (SEC. 83, T. 2S., R. 2E.) DRILLED UNUSED ARTESIAN WELL IN ZONE 1 AQUIFER OF PLIOCENE AGE, DIAM 6 IN., REPORTED DEPTH 305 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 1/2-IN. HOLE IN COVER, 1.00 FT ABOVE LSD.
LSD 210 FT ABOVE NGVD.
HIGHEST WATER LEVEL 63.76 BELOW LSD, MAY 16, 1961.
LOWEST WATER LEVEL 86.15 BELOW LSD, MAY 1, 1986.
RECORDS AVAILABLE 1961-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| NOV. 10, 1987 | 80.77 | JULY 12, 1988 | 80.93 | | | | |

305152091010201 LOCAL WELL NUMBER: EF-73B

OWNER: TOWN OF CLINTON. (SEC. 83, T. 2S., R. 2E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN ZONE 3 AQUIFER OF MIOCENE AGE, DIAM 12 IN., REPORTED DEPTH 1,966 FT, SCREENED 1,688-1,718, 1,773-1,795, 1,862-1,872, 1,880-1,900, 1,917-1,929, AND 1,948-1,966. MP TOP EDGE OF BREATHER HOLE IN PLATE ATOP 12-IN. CASING, 1.62 FT ABOVE LSD.
LSD 195 FT ABOVE NGVD.
HIGHEST WATER LEVEL 93.01 BELOW LSD, MAR. 5, 1959.
LOWEST WATER LEVEL 151.27 BELOW LSD, JAN. 7, 1987.
RECORDS AVAILABLE 1959-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| NOV. 10, 1987 | 136.15 | JULY 12, 1988 | 136.31 | | | | |

304959091093001 LOCAL WELL NUMBER: EF-185

OWNER: E. LOUISIANA STATE HOSPITAL. (SEC. 45, T. 2S., R. 1E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 14 TO 12 TO 10 IN., REPORTED DEPTH 1,514 FT, SCREENED 1,469-1,514. MP LOWER EDGE OF [illegible]-IN. ACCESS PIPE, 1.48 FT ABOVE LSD.
LSD 228 FT ABOVE NGVD.
HIGHEST WATER LEVEL 118.54 BELOW LSD, MAY 16, 1961.
LOWEST WATER LEVEL 201.14 BELOW LSD, MAR. 28, 1985.
RECORDS AVAILABLE 1961-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| NOV. 10, 1987 | 184.50 | JULY 12, 1988 | 187.41 | | | | |

304309091083201 LOCAL WELL NUMBER: EF-223

OWNER: TOWN OF SLAUGHTER. (SEC. 7, T. 4S., R. 1E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 10 IN., DEPTH 2,000 FT, SCREENED 1,935-2,000. MP TOP OF SANITARY SEAL, 1.55 FT ABOVE LSD.
LSD 135 FT ABOVE NGVD.
HIGHEST WATER LEVEL 100.85 BELOW LSD, JULY 21, 1983.
LOWEST WATER LEVEL 139.88 BELOW LSD, MAY 2, 1985.
RECORDS AVAILABLE 1977-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| NOV. 10, 1987 | 109.34 | JULY 12, 1988 | 111.16 | | | | |

## EAST FELICIANA PARISH

305052091060001 LOCAL WELL NUMBER: EF-241

OWNER: P. CRAIN. (SEC. 27, T. 2S., R. 1E.) BORED DOMESTIC WATER-TABLE WELL IN UPLAND TERRACE DEPOSITS OF QUATERNARY AGE, DIAM 8 IN., DEPTH 96 FT, OPEN END CASING. MP TOP INSIDE EDGE OF 8-IN. CONCRETE CASING, 0.60 FT ABOVE LSD.
LSD 250 FT ABOVE NGVD.
HIGHEST WATER LEVEL 66.43 BELOW LSD, JAN. 18, 1984.
LOWEST WATER LEVEL 73.48 BELOW LSD, MAY 7, 1979.
RECORDS AVAILABLE 1974-85, 1987-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| JULY 12, 1988 | 69.93 | | | | | | |

## EVANGELINE PARISH

304120092263001 LOCAL WELL NUMBER: EV-229

OWNER: CHESTLEY FONTENOT. (SEC. 25, T. 4S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 12 IN., DEPTH 231 FT, SCREENED 149-231. MP FLOOR OF SHELTER HOUSE, 0.85 FT ABOVE LSD.
LSD 65.66 FT ABOVE NGVD.
HIGHEST WATER LEVEL 45.52 BELOW LSD, APR. 18, 1951.
LOWEST WATER LEVEL 108.60 BELOW LSD, JUNE 10, 1982.
RECORDS AVAILABLE 1949-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 5, 1987 | 84.84 | FEB. 20, 1988 | 87.98 | MAY 5, 1988 | 101.62 | JULY 10, 1988 | 97.10 |
| OCT. 10 | 84.92 | FEB. 25 | 88.22 | MAY 10 | 102.48 | JULY 15 | 94.69 |
| OCT. 15 | 84.60 | FEB. 29 | 87.99 | MAY 15 | 102.93 | JULY 20 | 93.10 |
| OCT. 20 | 84.57H | MAR. 5 | 89.71 | MAY 20 | 102.17 | JULY 25 | 92.04 |
| OCT. 25 | 84.44 | MAR. 10 | 88.67 | MAY 25 | 103.78 | JULY 31 | 91.24 |
| OCT. 31 | 84.53 | MAR. 15 | 88.29 | MAY 31 | 101.43 | AUG. 1 | 91.02H |
| NOV. 5 | 84.23 | MAR. 20 | 93.37 | JUNE 5 | 100.66 | AUG. 5 | 90.55 |
| NOV. 9 | 83.90J | MAR. 30 | 85.26H | JUNE 6 | 101.87H | AUG. 10 | 89.76 |
| NOV. 10 | 84.04 | MAR. 31 | 84.76 | JUNE 10 | 99.95 | AUG. 15 | 89.37 |
| NOV. 15 | 85.74 | APR. 5 | 86.00 | JUNE 15 | 104.28 | AUG. 20 | 88.81 |
| DEC. 8 | 85.06H | APR. 10 | 90.03 | JUNE 17 | 104.78J | AUG. 25 | 88.44 |
| FEB. 4, 1988 | 88.69H | APR. 15 | 92.87 | JUNE 20 | 103.61 | AUG. 31 | 87.96 |
| FEB. 5 | 88.77 | APR. 20 | 92.43 | JUNE 25 | 102.67 | SEP. 5 | 87.51 |
| FEB. 10 | 88.59 | APR. 25 | 96.61 | JUNE 30 | 101.90 | SEP. 10 | 87.19 |
| FEB. 15 | 88.27 | APR. 30 | 100.03 | JULY 5 | 98.98 | | |

## GRANT PARISH

312703092224801 LOCAL WELL NUMBER: G-127B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 32, T. 6N., R. 1E.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 97 FT, SCREENED 93-97. MP TOP OF CASING, 1.00 FT ABOVE LSD.
LSD 231.36 FT ABOVE NGVD.
HIGHEST WATER LEVEL 66.31 BELOW LSD, JULY 23, 1980.
LOWEST WATER LEVEL 72.43 BELOW LSD, JAN. 25, 1972.
RECORDS AVAILABLE 1956-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 28, 1987 | 69.00 | NOV. 30, 1987 | 68.97 | MAR. 25, 1988 | 69.08 | JUNE 20, 1988 | 68.58 |

## JACKSON PARISH

321709092452401 LOCAL WELL NUMBER: JA-49

OWNER: STONE CONTAINER CORP. (SEC. 15, T. 15N., R. 4W.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 12 TO 8 IN., DEPTH 570 FT, SCREENED 542-570. MP TOP OF RECORDER SHELTER SHELF, 2.33 FT ABOVE LSD.
LSD 160 FT ABOVE NGVD.
HIGHEST WATER LEVEL 114.16 BELOW LSD, JAN. 2, 1961.
LOWEST WATER LEVEL 193.86 BELOW LSD, OCT. 1, 1967.
RECORDS AVAILABLE 1960-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| APR. 22, 1988 | 159.74 | | | | | | |

SEE FOOTNOTES AT END OF TABLE.

## JACKSON PARISH

322357092341701 LOCAL WELL NUMBER: JA-147

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 4, T. 16N., R. 2W.) DRILLED OBSERVATION ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 2 IN., DEPTH 703 FT, SCREENED 693-703. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 220 FT ABOVE NGVD.
HIGHEST WATER LEVEL 209.06 BELOW LSD, MAY 14, 1975.
LOWEST WATER LEVEL 234.80 BELOW LSD, SEP. 29, 1988.
RECORDS AVAILABLE 1974-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| DEC. 31, 1987 | 233.12 | MAR. 30, 1988 | 233.08 | JUNE 30, 1988 | 233.96 | AUG. 29, 1988 | 233.90 |
| JAN. 28, 1988 | 233.40 | APR. 28 | 233.03 | JULY 29 | 234.28 | SEP. 29 | 234.80 |
| FEB. 29 | 233.10 | MAY 31 | 233.59 | | | | |

## JEFFERSON PARISH

300109090091001 LOCAL WELL NUMBER: JF-71

OWNER: GREATER NEW ORLEANS EXPRESSWAY COMMISSION. (SEC. 46, T. 12S., R 10E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 566 FT, SCREENED 551-566. MP HOLE IN SANITARY SEAL, 3.40 FT ABOVE LSD.
LSD 11 FT ABOVE NGVD.
HIGHEST WATER LEVEL 63.60 BELOW LSD, APR. 24, 1984.
LOWEST WATER LEVEL 87.43 BELOW LSD, OCT. 17, 1973.
RECORDS AVAILABLE 1963, 1965-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 27, 1987 | 68.99 | MAR. 16, 1988 | 65.32 | | | | |

295858090154101 LOCAL WELL NUMBER: JF-153

OWNER: W. & H. WAREHOUSE CO. (SEC. 37, T. 12S., R. 9E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 8 IN., DEPTH 670 FT, SCREENED 630-670. MP TOP EDGE STEEL PLATE ATOP CASING, 2.20 FT ABOVE LSD.
LSD 2 FT ABOVE NGVD.
HIGHEST WATER LEVEL 33.96 BELOW LSD, JUNE 29, 1988.
LOWEST WATER LEVEL 46.05 BELOW LSD, SEP. 29, 1981.
RECORDS AVAILABLE 1981-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 22, 1987 | 36.01 | JAN. 6, 1988 | 34.75 | MAR. 7, 1988 | 34.55 | JUNE 29, 1988 | 33.96 |

295739090094601 LOCAL WELL NUMBER: JF-156

OWNER: JEFFERSON PARISH CONSOLIDATED WATER DISTRICT. (SEC. 46, T. 12S., R. 10E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 6 IN., DEPTH 780 FT, SCREENED 660-780. MP TOP OF 4-IN. PLASTIC LINER, 2.05 FT ABOVE LSD.
LSD 9 FT ABOVE NGVD.
HIGHEST WATER LEVEL 67.95 BELOW LSD, APR. 24, 1984.
LOWEST WATER LEVEL 94.34 BELOW LSD, NOV. 11, 1975.
RECORDS AVAILABLE 1974-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 21, 1987 | 74.12 | MAR. 16, 1988 | 70.61 | JUNE 29, 1988 | 71.04 | | |

295355090044201 LOCAL WELL NUMBER: JF-166

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 44, T. 14S., R. 24E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF NEW ORLEANS AREA) OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 1,302 FT, SCREENED 1,292-1,302. MP TOP OF 2-IN. CASING, 0.35 FT ABOVE LSD.
LSD 2 FT ABOVE NGVD.
HIGHEST WATER LEVEL 41.50 BELOW LSD, FEB. 9, 1984.
LOWEST WATER LEVEL 44.81 BELOW LSD, JAN. 6, 1982.
RECORDS AVAILABLE 1982-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 20, 1987 | 43.08 | JAN. 6, 1988 | 42.39 | | | | |

## JEFFERSON PARISH

295355090044202 LOCAL WELL NUMBER: JF-167

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 44, T. 14S., R. 24E.) DRILLED OBSERVATION ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE. DIAM 2 IN., DEPTH 725 FT, SCREENED 715-725. MP TOP OF 2-IN. CASING, 0.15 FT ABOVE LSD.
LSD 2 FT ABOVE NGVD.
HIGHEST WATER LEVEL 58.85 BELOW LSD, MAY 1, 1984.
LOWEST WATER LEVEL 70.05 BELOW LSD, OCT. 21, 1982.
RECORDS AVAILABLE 1982-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 20, 1987 | 64.49 | JAN. 6, 1988 | 62.79 | MAR. 18, 1988 | 61.40 | JUNE 30, 1988 | 62.82 |

## JEFFERSON DAVIS PARISH

301355092463001 LOCAL WELL NUMBER: JD-9

OWNER: WELSH CANAL CO. (SEC. 34, T. 9S., R. 4W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN., DEPTH 318 FT, SCREENED 238-318. MP LOWER LIP OF DISCHARGE PIPE, 4.55 FT ABOVE LSD.
LSD 24.1 FT ABOVE NGVD.
HIGHEST WATER LEVEL 19.52 BELOW LSD, MAR. 29, 1943.
LOWEST WATER LEVEL 95.00 BELOW LSD, JULY 21, 1980.
RECORDS AVAILABLE 1938-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 23, 1987 | 60.64 | FEB. 16, 1988 | 64.08 | APR. 5, 1988 | 67.96 | AUG. 4, 1988 | 66.86 |

301300092584503 LOCAL WELL NUMBER: JD-485A

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 4, T. 10S., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 290 FT, SCREENED 270-290. MP TOP OF 4-IN. CASING COLLAR, 3.00 FT ABOVE LSD.
LSD 21.36 FT ABOVE NGVD.
HIGHEST WATER LEVEL 48.56 BELOW LSD, MAR. 14, 1988.
LOWEST WATER LEVEL 107.41 BELOW LSD, JULY 19, 1980.
RECORDS AVAILABLE 1978-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 5, 1987 | 55.60 | JAN. 15, 1988 | 50.63 | MAR. 31, 1988 | 50.05 | JUNE 23, 1988 | 88.53J |
| OCT. 10 | 55.77 | JAN. 20 | 50.25 | APR. 5 | 50.04H | JUNE 25 | 80.97 |
| OCT. 15 | 56.60 | JAN. 21 | 50.26H | APR. 10 | 50.54 | JUNE 30 | 74.51H |
| OCT. 20 | 55.24 | JAN. 25 | 50.19 | APR. 15 | 50.91 | JULY 5 | 73.31 |
| OCT. 23 | 56.22H | JAN. 31 | 50.03 | APR. 20 | 53.22 | JULY 10 | 74.38 |
| OCT. 25 | 55.52 | FEB. 5 | 49.80 | APR. 25 | 63.22H | JULY 15 | 70.37 |
| OCT. 31 | 56.08 | FEB. 10 | 49.67 | APR. 30 | 68.00 | JULY 28 | 68.03H |
| NOV. 5 | 55.30 | FEB. 15 | 49.40 | MAY 5 | 65.13 | JULY 31 | 71.64 |
| NOV. 10 | 54.72 | FEB. 20 | 49.14 | MAY 10 | 69.14 | AUG. 5 | 67.23 |
| NOV. 15 | 55.23 | FEB. 25 | 49.03 | MAY 15 | 75.19 | AUG. 10 | 68.17 |
| NOV. 20 | 53.91 | FEB. 26 | 48.95H | MAY 20 | 76.80 | AUG. 15 | 63.61 |
| NOV. 25 | 53.32 | FEB. 29 | 48.94 | MAY 25 | 69.80H | AUG. 20 | 61.97 |
| NOV. 30 | 52.81H | MAR. 5 | 48.76 | MAY 31 | 76.40 | AUG. 25 | 60.98H |
| DEC. 22 | 52.49H | MAR. 10 | 48.57 | JUNE 5 | 73.02 | AUG. 31 | 59.88 |
| DEC. 25 | 52.33 | MAR. 14 | 48.56J | JUNE 10 | 69.48 | SEP. 5 | 59.18 |
| DEC. 31 | 52.15 | MAR. 15 | 48.59 | JUNE 15 | 75.85 | SEP. 10 | 58.29 |
| JAN. 5, 1988 | 52.01 | MAR. 20 | 48.69 | JUNE 20 | 84.25 | SEP. 15 | 57.66 |
| JAN. 10 | 50.82 | MAR. 25 | 49.30 | | | | |

## LIVINGSTON PARISH

303034090380301 LOCAL WELL NUMBER: LI-52

OWNER: COY KINCHEN. (SEC. 20, T. 6S., R. 6E.) DRILLED DOMESTIC ARTESIAN WELL IN SAND ("1,700-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., REPORTED DEPTH 1,865 FT, SCREENED 1,825-1,865. MP CENTER LINE OF 3/4-IN. TEE, 1.20 FT ABOVE LSD.
LSD 46 FT ABOVE NGVD.
HIGHEST WATER LEVEL 116.20 ABOVE LSD, NOV. 30, 1950.
LOWEST WATER LEVEL 41.20 ABOVE LSD, OCT. 18, 1982.
RECORDS AVAILABLE 1950-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| DEC. 29, 1987 | +53.70 | MAY 11, 1988 | +52.70 | | | | |

SEE FOOTNOTES AT END OF TABLE.

## LIVINGSTON PARISH

302956090504601 LOCAL WELL NUMBER: LI-113

OWNER: W.K. COBURN. (SEC. 30, T. 6S., R. 4E.) DRILLED DOMESTIC ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 3 IN., REPORTED DEPTH 1,300 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF COLLAR ABOVE VALVE, 1.50 FT ABOVE LSD.
LSD 48 FT ABOVE NGVD.
HIGHEST WATER LEVEL 10.98 BELOW LSD, APR. 14, 1967.
LOWEST WATER LEVEL 18.32 BELOW LSD, OCT. 21, 1986.
RECORDS AVAILABLE 1966-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| DEC. 29, 1987 | 17.16 | MAY 11, 1988 | 18.14 | | | | |

302724090565801 LOCAL WELL NUMBER: LI-185

OWNER: CITY OF DENHAM SPRINGS. (SEC. 38, T. 7S., R. 3E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 14 IN., DEPTH 2,611 FT, SCREENED 2,531-2,611. MP BOTTOM LIP OF VENT ELBOW, 1.60 FT ABOVE LSD.
LSD 37 FT ABOVE NGVD.
HIGHEST WATER LEVEL 46.42 BELOW LSD, NOV. 3, 1983.
LOWEST WATER LEVEL 59.93 BELOW LSD, MAY 11, 1988.
RECORDS AVAILABLE 1979, 1983, CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| SEP. 20, 1979 | 55.35R | NOV. 3, 1983 | 46.42 | MAY 11, 1988 | 59.93 | | |

## MADISON PARISH

322614091122001 LOCAL WELL NUMBER: MA-64

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 23, T. 17N., R. 12E.) BORED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 117 FT, SCREENED 112-117. MP TOP OF CASING, AT LSD.
LSD 80 FT ABOVE NGVD.
HIGHEST WATER LEVEL 9.98 BELOW LSD, SEP. 18, 1975.
LOWEST WATER LEVEL 16.01 BELOW LSD, JUNE 8, 1988.
RECORDS AVAILABLE 1975, CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| SEP. 18, 1975 | 9.98 | JUNE 8, 1988 | 16.01 | | | | |

## MOREHOUSE PARISH

324626091543901 LOCAL WELL NUMBER: MO-5

OWNER: INTERNATIONAL PAPER CO. (SEC. 25, T. 21N., R. 5E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 10 IN., DEPTH 860 FT, SCREENED INTERVAL UNKNOWN. MP FLOOR OF RECORDER SHELTER, 1.80 FT ABOVE LSD.
LSD 117.44 FT ABOVE NGVD.
HIGHEST WATER LEVEL 143.85 BELOW LSD, DEC. 22, 1958.
LOWEST WATER LEVEL 219.40 BELOW LSD, SEP. 30, 1975.
RECORDS AVAILABLE 1955-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 1, 1987 | 164.77H | JAN. 5, 1988 | 163.54 | APR. 5, 1988 | 165.07 | JUNE 30, 1988 | 164.43 |
| OCT. 5 | 163.28 | JAN. 6 | 164.00H | APR. 10 | 162.40 | JULY 5 | 164.73 |
| OCT. 10 | 164.30 | JAN. 10 | 162.99 | APR. 15 | 162.00 | JULY 10 | 161.52 |
| OCT. 15 | 163.84 | JAN. 15 | 164.24 | APR. 20 | 159.47 | JULY 15 | 161.28 |
| OCT. 20 | 162.68 | JAN. 20 | 162.12 | APR. 25 | 162.44 | JULY 20 | 160.98 |
| OCT. 25 | 164.62 | JAN. 25 | 160.28 | APR. 26 | 160.98H | JULY 25 | 163.00 |
| OCT. 31 | 163.81 | JAN. 31 | 159.05 | APR. 30 | 162.58 | JULY 31 | 162.61 |
| NOV. 5 | 165.15 | FEB. 5 | 162.12 | MAY 5 | 161.73 | AUG. 5 | 162.83 |
| NOV. 10 | 165.86 | FEB. 10 | 160.81 | MAY 10 | 162.26 | AUG. 10 | 161.43 |
| NOV. 13 | 165.21H | FEB. 15 | 161.80 | MAY 15 | 162.59 | AUG. 15 | 164.61 |
| NOV. 15 | 165.96 | FEB. 20 | 160.51 | MAY 19 | 154.97J | AUG. 16 | 163.47H |
| NOV. 20 | 165.48 | FEB. 25 | 161.78 | MAY 20 | 163.04 | AUG. 20 | 164.14 |
| NOV. 25 | 165.27 | FEB. 29 | 161.01 | MAY 25 | 158.16 | AUG. 25 | 164.58 |
| NOV. 30 | 165.41 | MAR. 1 | 161.74H | MAY 31 | 162.06 | AUG. 31 | 160.41 |
| DEC. 4 | 167.46J | MAR. 5 | 161.03 | JUNE 5 | 163.49 | SEP. 5 | 162.01 |
| DEC. 5 | 164.22 | MAR. 10 | 159.84 | JUNE 10 | 163.90 | SEP. 10 | 162.68 |
| DEC. 10 | 162.88 | MAR. 15 | 160.32 | JUNE 15 | 163.72 | SEP. 15 | 162.70 |
| DEC. 15 | 164.23 | MAR. 20 | 161.17 | JUNE 20 | 164.00 | SEP. 20 | 161.69 |
| DEC. 20 | 163.71 | MAR. 25 | 163.79 | JUNE 21 | 163.80H | SEP. 25 | 162.70 |
| DEC. 25 | 162.63 | MAR. 31 | 163.35 | JUNE 25 | 165.38 | SEP. 30 | 161.18 |
| DEC. 31 | 163.41 | | | | | | |

SEE FOOTNOTES AT END OF TABLE.

## NATCHITOCHES PARISH

313918093023101 LOCAL WELL NUMBER: NA-284

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 42, T. 8N., R. 7W.) BORED OBSERVATION ARTESIAN WELL IN RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 72 FT, SCREENED 69-72. MP TOP OF CASING, 1.60 FT ABOVE LSD.
LSD 102.59 FT ABOVE NGVD.
HIGHEST WATER LEVEL 0.36 ABOVE LSD, AUG. 22, 1969.
LOWEST WATER LEVEL 13.71 BELOW LSD, OCT. 1, 1956.
RECORDS AVAILABLE 1956-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 15, 1987 | 10.13 | JAN. 11, 1988 | 4.53 | APR. 7, 1988 | 3.18 | JULY 7, 1988 | 8.35 |
| NOV. 13 | 9.46 | FEB. 15 | 5.75 | MAY 3 | 6.06 | AUG. 4 | 8.99 |
| DEC. 16 | 6.62 | MAR. 10 | 3.88 | JUNE 7 | 8.10 | SEP. 7 | 9.51 |

315221093242901 LOCAL WELL NUMBER: NA-491

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 8, T. 10N., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 493 FT, SCREENED 483-493. MP TOP OF BUSHING, AT LSD.
LSD 250 FT ABOVE NGVD.
HIGHEST WATER LEVEL 97.04 BELOW LSD, MAY 13, 1985.
LOWEST WATER LEVEL 99.91 BELOW LSD, AUG. 26, 1982.
RECORDS AVAILABLE 1981-87.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 5, 1987 | 98.87 | | | | | | |

315221093242902 LOCAL WELL NUMBER: NA-495

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 8, T. 10N., R. 10W.) BORED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 168 FT, SCREENED 163-168. MP TOP OF BUSHING, AT LSD.
LSD 250 FT ABOVE NGVD.
HIGHEST WATER LEVEL 99.35 BELOW LSD, DEC. 11, 1986.
LOWEST WATER LEVEL 101.90 BELOW LSD, APR. 22, 1982.
RECORDS AVAILABLE 1982-87.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 5, 1987 | 100.18 | | | | | | |

## ORLEANS PARISH

295652090020101 LOCAL WELL NUMBER: OR-42

OWNER: U.S. NAVY. (SEC. 16, T. 13S., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 8 IN., REPORTED DEPTH 775 FT, SCREENED 664-775. MP TOP OF 2 X 6-IN. RECORDER BASE, 1.00 FT ABOVE LSD
LSD 10 FT ABOVE NGVD.
HIGHEST WATER LEVEL 40.07 BELOW LSD, MAY 25, 1942.
LOWEST WATER LEVEL 140.48 BELOW LSD, SEP. 20, 1968.
RECORDS AVAILABLE 1942, 1949-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 20, 1987 | 90.06 | JAN. 7, 1988 | 86.28 | MAR. 18, 1988 | 84.09 | JUNE 30, 1988 | 88.29 |

300525089464001 LOCAL WELL NUMBER: OR-175

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 38, T. 11S., R. 14E.) DRILLED OBSERVATION ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 449 FT, SCREENED 439-449. MP TOP OF 2-IN. CASING, AT LSD.
LSD 10 FT ABOVE NGVD.
HIGHEST WATER LEVEL 19.84 BELOW LSD, SEP. 19, 1963.
LOWEST WATER LEVEL 37.52 BELOW LSD, OCT. 21, 1987.
RECORDS AVAILABLE 1963-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 21, 1987 | 37.52 | MAR. 22, 1988 | 37.23 | JUNE 29, 1988 | 37.04 | | |

## ORLEANS PARISH

### 300959039441901 LOCAL WELL NUMBER: OR-179

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 19, T. 10S., R. 15E.) DRILLED OBSERVATION ARTESIAN WELL IN ABITA AQUIFER (ZONE 2) OF PLIOCENE AGE. DIAM 2 1/2 IN., DEPTH 2,434 FT. SCREENED 2,429-2,434. MP CENTER LINE OF DISCHARGE PIPE, 2.87 FT ABOVE LSD.
LSD 4 FT ABOVE NGVD.
HIGHEST WATER LEVEL 107.20 ABOVE LSD, NOV. 10, 1965.
LOWEST WATER LEVEL 56.90 ABOVE LSD, MAR. 22, 1988.
RECORDS AVAILABLE 1965-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 21, 1987 | +57.40 | MAR. 22, 1988 | +56.90 | JUNE 29, 1988 | +58.90 | | |

### 300152090021801 LOCAL WELL NUMBER: OR-182

OWNER: ORLEANS LEVEE BOARD. (SEC. 37, T. 12S., R. 12E.) DRILLED RECREATIONAL ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE. DIAM 12 TO 8 IN., DEPTH 690 FT. SCREENED 600-690. MP TOP OF BREATHER PIPE, 1.65 FT ABOVE LSD.
LSD 5 FT ABOVE NGVD.
HIGHEST WATER LEVEL 108.76 BELOW LSD, APR. 7, 1982.
LOWEST WATER LEVEL 154.00 BELOW LSD, AUG. 2, 1968.
RECORDS AVAILABLE 1968, 1976, 1982, 1986-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 21, 1987 | 116.00 | MAR. 22, 1988 | 112.13 | JUNE 29, 1988 | 113.57 | | |

### 300349089562401 LOCAL WELL NUMBER: OR-203

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 30, T. 11S., R. 13E.) DRILLED OBSERVATION ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE. DIAM 2 IN., DEPTH 453 FT. SCREENED 448-453. MP TOP OF 2-IN. CASING, 0.65 FT BELOW LSD.
LSD 5 FT BELOW NGVD.
HIGHEST WATER LEVEL 66.50 BELOW LSD, FEB. 3, 1983.
LOWEST WATER LEVEL 81.72 BELOW LSD, SEP. 29, 1981.
RECORDS AVAILABLE 1981-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 21, 1987 | 71.92 | DEC. 8, 1987 | 70.90 | MAR. 21, 1988 | 68.86 | JUNE 29, 1988 | 74.82 |

## OUACHITA PARISH

### 322901092091501 LOCAL WELL NUMBER: OU-77

OWNER: MANVILLE FOREST PRODUCTS. (SEC. 3, T. 17N., R. 3E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE. DIAM 16 IN., DEPTH 851 FT. SCREENED INTERVAL UNKNOWN. MP FLOOR OF RECORDER SHELTER, 2.40 FT ABOVE LSD.
LSD 75.9 FT ABOVE NGVD.
HIGHEST WATER LEVEL 168.82 BELOW LSD, JULY 7, 1952.
LOWEST WATER LEVEL 278.12 BELOW LSD, OCT. 10, 1986.
RECORDS AVAILABLE 1946-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 5, 1987 | 270.05H | JAN. 4, 1988 | 254.06H | MAR. 31, 1988 | 253.08 | JUNE 30, 1988 | 262.46 |
| OCT. 9 | 271.51J | JAN. 5 | 254.31 | APR. 5 | 249.83 | JULY 5 | 262.29 |
| OCT. 10 | 270.78 | JAN. 10 | 255.75 | APR. 10 | 255.87 | JULY 10 | 259.54 |
| OCT. 15 | 255.29 | JAN. 15 | 253.79 | APR. 15 | 252.54 | JULY 15 | 259.46 |
| OCT. 20 | 248.34 | JAN. 20 | 253.45 | APR. 20 | 253.54 | JULY 20 | 258.45 |
| OCT. 25 | 260.00 | JAN. 25 | 256.81 | APR. 25 | 256.16H | JULY 25 | 255.02 |
| OCT. 31 | 265.34 | JAN. 31 | 247.87 | APR. 30 | 255.01 | JULY 31 | 254.57 |
| NOV. 5 | 264.33 | FEB. 5 | 248.66 | MAY 5 | 252.28 | AUG. 5 | 257.79 |
| NOV. 10 | 268.97 | FEB. 10 | 250.14 | MAY 10 | 255.49 | AUG. 10 | 259.34 |
| NOV. 15 | 265.79 | FEB. 15 | 251.57 | MAY 15 | 258.58 | AUG. 15 | 261.88H |
| NOV. 20 | 261.42 | FEB. 20 | 253.46 | MAY 20 | 258.55 | AUG. 20 | 264.32 |
| NOV. 25 | 261.86 | FEB. 25 | 252.95 | MAY 25 | 256.52 | AUG. 25 | 266.05 |
| NOV. 30 | 258.37 | FEB. 29 | 256.20 | MAY 31 | 259.27 | AUG. 31 | 268.97 |
| DEC. 3 | 257.86H | MAR. 5 | 256.44 | JUNE 5 | 256.75 | SEP. 5 | 267.70 |
| DEC. 5 | 258.37 | MAR. 10 | 258.79 | JUNE 10 | 258.27 | SEP. 10 | 266.74 |
| DEC. 10 | 257.40 | MAR. 15 | 255.57 | JUNE 15 | 257.55 | SEP. 15 | 262.39 |
| DEC. 15 | 252.16 | MAR. 20 | 256.12 | JUNE 20 | 260.95 | SEP. 20 | 265.85 |
| DEC. 20 | 251.86 | MAR. 25 | 254.79 | JUNE 22 | 262.68H | SEP. 25 | 263.37 |
| DEC. 25 | 255.92 | MAR. 28 | 254.43H | JUNE 25 | 261.55 | SEP. 30 | 268.95 |
| DEC. 31 | 254.99 | | | | | | |

SEE FOOTNOTES AT END OF TABLE.

304939091422101 LOCAL WELL NUMBER: PC-39

OWNER: C. FLINT. (SEC. 13. T. 3S., R. 7E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE. DIAM 2 IN., REPORTED DEPTH 460 FT. SCREENED INTERVAL UNKNOWN. MP TOP OF REDUCER AT WELL. 1.30 FT ABOVE LSD.
LSD 41 FT ABOVE NGVD.
HIGHEST WATER LEVEL 3.19 ABOVE LSD. MAY 23. 1973.
LOWEST WATER LEVEL 26.64 BELOW LSD. DEC. 4. 1963.
RECORDS AVAILABLE 1961. 1963-64. 1966-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| APR. 6, 1988 | 13.30 | | | | | | |

304645091434901 LOCAL WELL NUMBER: PC-49

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 32. T. 3S., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE. DIAM 4 IN., DEPTH 137 FT. SCREENED 132-137. MP TOP OF 4-IN. CASING. 1.00 FT ABOVE LSD.
LSD 36 FT ABOVE NGVD.
HIGHEST WATER LEVEL 0.88 ABOVE LSD. APR. 17. 1973.
LOWEST WATER LEVEL 28.95 BELOW LSD. NOV. 4. 1963.
RECORDS AVAILABLE 1955-68. 1973-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| APR. 6, 1988 | 18.35 | | | | | | |

303556091234001 LOCAL WELL NUMBER: PC-66

OWNER: MRS. ST. GEORGE HINES. (SEC. 48. T. 5S., R. 11E.) DRILLED DOMESTIC ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE. DIAM 4 IN., REPORTED DEPTH 1,530 FT. SCREENED 1,490-1,530. MP TOP OF SANITARY SEAL. 2.30 FT ABOVE LSD.
LSD 33 FT ABOVE NGVD.
HIGHEST WATER LEVEL 33.79 BELOW LSD. JUNE 16. 1970.
LOWEST WATER LEVEL 60.70 BELOW LSD. OCT. 15. 1981.
RECORDS AVAILABLE 1970. 1972-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| APR. 8, 1988 | 57.30 | | | | | | |

303402091325501 LOCAL WELL NUMBER: PC-70

OWNER: THEO H. GLAZIER. SR. (SEC. 16. T. 6S., R. 9E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE. DIAM 4 IN., REPORTED DEPTH 2,294 FT. SCREENED 2,259-2,294. MP CENTER LINE OF TEE. 0.80 FT ABOVE LSD.
LSD 26 FT ABOVE NGVD.
HIGHEST WATER LEVEL 69.50 ABOVE LSD. JULY 15. 1960.
LOWEST WATER LEVEL 5.40 ABOVE LSD. OCT. 15. 1981.
RECORDS AVAILABLE 1960-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| APR. 8, 1988 | +7.90 | | | | | | |

303357091330401 LOCAL WELL NUMBER: PC-138

OWNER: VILLAGE OF LIVONIA. (SEC. 16. T. 6S., R. 9E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE. DIAM 2 1/2 IN., REPORTED DEPTH 1,637 FT. SCREENED 1,617-1,637. MP TOP OF 3/4-IN. PLUG IN TOP OF WELL. 1.56 FT ABOVE LSD.
LSD 27 FT ABOVE NGVD.
HIGHEST WATER LEVEL 16.64 BELOW LSD. MAY 23. 1973.
LOWEST WATER LEVEL 35.44 BELOW LSD. OCT. 7. 1982.
RECORDS AVAILABLE 1972-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| APR. 20, 1988 | 33.10 | | | | | | |

SEE FOOTNOTES AT END OF TABLE.

## POINTE COUPEE PARISH

### 305023091393901 LOCAL WELL NUMBER: PC-143

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 37, T. 3S., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE. DIAM 2 IN., DEPTH 1,228 FT. SCREENED 1,218-1,228. MP 3/8-IN. HOLE IN 2-IN. PLUG ATOP WELL. 2.50 FT ABOVE LSD.
LSD 41 FT ABOVE NGVD.
HIGHEST WATER LEVEL 18.60 ABOVE LSD, APR. 17, 1968.
LOWEST WATER LEVEL 6.10 BELOW LSD, OCT. 28, 1983.
RECORDS AVAILABLE 1968-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| APR. 6, 1988 | 5.18 | | | | | | |

### 305023091393902 LOCAL WELL NUMBER: PC-144

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 37, T. 3S., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE. DIAM 2 IN., DEPTH 835 FT. SCREENED 825-835. MP CENTER OF GAGE IN BUSHING ATOP CASING. 2.66 FT ABOVE LSD.
LSD 41 FT ABOVE NGVD.
HIGHEST WATER LEVEL 12.20 ABOVE LSD, APR. 17, 1968.
LOWEST WATER LEVEL 8.09 BELOW LSD, SEP. 3, 1987.
RECORDS AVAILABLE 1968-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| APR. 6, 1988 | 7.54 | | | | | | |

### 303835091202401 LOCAL WELL NUMBER: PC-146

OWNER: GLYNN WATER WORKS. (SEC. 56, T. 5S., R. 11E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE. DIAM 4 IN., DEPTH 1,785 FT. SCREENED 1,765-1,785. MP BOTTOM EDGE OF 1 X 2-IN. REDUCER. 1.15 FT ABOVE LSD.
LSD 33 FT ABOVE NGVD.
HIGHEST WATER LEVEL 4.95 BELOW LSD, JUNE 20, 1974.
LOWEST WATER LEVEL 25.25 BELOW LSD, NOV. 5, 1980.
RECORDS AVAILABLE 1972-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| APR. 8, 1988 | 17.14 | | | | | | |

### 303538091232501 LOCAL WELL NUMBER: PC-154

OWNER: ALMA PLANTATION. (SEC. 48, T. 5S., R. 11E.) DRILLED INDUSTRIAL ARTESIAN WELL IN SAND ("1,700-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE. DIAM 12 IN., DEPTH 1,263 FT. SCREENED 1,174-1,228 AND 1,237-1,263. MP TOP OF BREATHER PIPE, 1.00 FT ABOVE LSD.
LSD 36 FT ABOVE NGVD.
HIGHEST WATER LEVEL 37.84 BELOW LSD, AUG. 4, 1975.
LOWEST WATER LEVEL 61.49 BELOW LSD, OCT. 7, 1982.
RECORDS AVAILABLE 1972-73, 1975-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| APR. 8, 1988 | 53.34 | | | | | | |

### 303250091365001 LOCAL WELL NUMBER: PC-155

OWNER: JOHN BLANCHARD. (SEC. 31, T. 6S., R. 8E.) DRILLED DOMESTIC ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE. DIAM 4 IN., REPORTED DEPTH 990 FT. SCREENED 970-990. MP TOP OF BOLT HOLE ON NW SIDE OF SANITARY SEAL, 0.35 FT ABOVE LSD.
LSD 25 FT ABOVE NGVD.
HIGHEST WATER LEVEL 19 20 BELOW LSD, AUG. 8, 1975.
LOWEST WATER LEVEL 31.90 BELOW LSD, APR. 8, 1988.
RECORDS AVAILABLE 1972-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| APR. 8 1988 | 31.90 | | | | | | |

## POINTE COUPEE PARISH

303735091211701 LOCAL WELL NUMBER: PC-156

OWNER: MRS. EMMA MOUNGER. (SEC. 50. T. 5S., R. 11E.) DRILLED DOMESTIC ARTESIAN WELL IN MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE. DIAM 4 IN., ESTIMATED DEPTH 180 FT. SCREENED INTERVAL UNKNOWN. MP 1/2-IN. HOLE IN SANITARY SEAL. 0.60 FT ABOVE LSD.
LSD 35 FT ABOVE NGVD.
HIGHEST WATER LEVEL 6.80 BELOW LSD. APR. 17. 1973.
LOWEST WATER LEVEL 23.55 BELOW LSD. NOV. 19. 1976.
RECORDS AVAILABLE 1972-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| APR. 8. 1988 | 11.60 | | | | | | |

## RAPIDES PARISH

311727092270901 LOCAL WELL NUMBER: R-18

OWNER: CITY OF ALEXANDRIA. (SEC. 7. T. 4N., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE. DIAM 12 IN., DEPTH 406 FT. SCREENED INTERVAL UNKNOWN. MP TOP OF 1 1/4-IN. NIPPLE. 1.30 FT ABOVE LSD.
LSD 78.53 FT ABOVE NGVD.
HIGHEST WATER LEVEL 69.73 BELOW LSD. APR. 29. 1960.
LOWEST WATER LEVEL 179.75 BELOW LSD. OCT. 21. 1963.
RECORDS AVAILABLE 1939. 1957-87.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 9. 1987 | 74.07 | | | | | | |

311850092273401 LOCAL WELL NUMBER: R-26

OWNER: MISSOURI PACIFIC RAILROAD. (SEC. 40. T. 4N., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE. DIAM 10 IN., DEPTH APPROXIMATELY 1.100 FT. SCREENED INTERVAL UNKNOWN. MP TOP OF CASING. 3.25 FT ABOVE LSD.
LSD 83.5 FT ABOVE NGVD.
HIGHEST WATER LEVEL 83.29 BELOW LSD. FEB. 26. 1957.
LOWEST WATER LEVEL 168.66 BELOW LSD. AUG. 10. 1943.
RECORDS AVAILABLE 1938-87.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 9. 1987 | 85.34 | | | | | | |

310740092380201 LOCAL WELL NUMBER: R-847

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 24. T. 2N., R. 3W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE. DIAM 4 IN., DEPTH 105 FT. SCREENED 95-105. MP TOP OF CASING COLLAR. 0.72 FT ABOVE LSD.
LSD 192.9 FT ABOVE NGVD.
HIGHEST WATER LEVEL 37.57 BELOW LSD. MAY 15. 1968. MAY 20. 1968.
LOWEST WATER LEVEL 77.81 BELOW LSD. FEB. 23. 1982.
RECORDS AVAILABLE 1966-87.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 8. 1987 | 53.18 | | | | | | |

310728092394201 LOCAL WELL NUMBER: R-848

OWNER: U. S. GEOL. SURVEY. (SEC. 27. T. 2N., R. 3W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN., DEPTH 105 FT. SCREENED 102-105. MP TOP OF CASING. 3.00 FT ABOVE LSD.
LSD 206.8 FT ABOVE NGVD.
HIGHEST WATER LEVEL 54.38 BELOW LSD. MAY 21. 1968.
LOWEST WATER LEVEL 64.20 BELOW LSD. NOV. 13. 1981.
RECORDS AVAILABLE 1966-85. 1987.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 8. 1987 | 57.08 | | | | | | |

## RAPIDES PARISH

310612092355301 LOCAL WELL NUMBER: R-849

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 32, T. 2N., R. 2W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 105 FT, SCREENED 95-105. MP TOP OF CASING, 0.63 FT ABOVE LSD.
LSD 193.09 FT ABOVE NGVD.
HIGHEST WATER LEVEL 42.10 BELOW LSD, MAY 10, 1968.
LOWEST WATER LEVEL 56.14 BELOW LSD, NOV. 10, 1971.
RECORDS AVAILABLE 1966-87.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 8, 1987 | 48.43 | | | | | | |

310734092373801 LOCAL WELL NUMBER: R-868

OWNER: CITY OF ALEXANDRIA. (SEC. 25, T. 2N., R. 3W.) DRILLED UNUSED WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 104 FT, SCREENED 99-104. MP TOP CF 1/2-IN. NIPPLE, 0.80 FT ABOVE LSD.
LSD 196.5 FT ABOVE NGVD.
HIGHEST WATER LEVEL 34.14 BELOW LSD, APR. 30, 1968.
LOWEST WATER LEVEL 61.27 BELOW LSD, DEC. 3, 1982.
RECORDS AVAILABLE 1966-87.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 8, 1987 | 51.57 | | | | | | |

312409092520901 LOCAL WELL NUMBER: R-879

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 22, T. 5N., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 2 IN., DEPTH 810 FT, SCREENED 800-810. MP TOP OF CASING, 3.90 FT ABOVE LSD.
LSD 300 FT ABOVE NGVD.
HIGHEST WATER LEVEL 209.43 BELOW LSD, APR. 8, 1969.
LOWEST WATER LEVEL 218.24 BELOW LSD, JUNE 17, 1988.
RECORDS AVAILABLE 1967-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| JUNE 17, 1988 | 218.24 | | | | | | |

312339092094501 LOCAL WELL NUMBER: R-893

OWNER: LOUISIANA DEPT. OF TRANSPORTATION AND DEVELOPMENT. (SEC. 22, T. 5N., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN., DEPTH 820 FT, SCREENED 810-820. MP TOP OF CASING, 1.50 FT ABOVE LSD.
LSD 60 FT ABOVE NGVD.
HIGHEST WATER LEVEL 28.28 BELOW LSD, APR. 15, 1970.
LOWEST WATER LEVEL 72.04 BELOW LSD, SEP. 14, 1982.
RECORDS AVAILABLE 1969-87.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 2, 1987 | 66.66 | | | | | | |

310522092305401 LOCAL WELL NUMBER: R-1015

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 6, T. 1N., R. 1W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 65 FT, SCREENED 62-65. MP TOP OF CASING, 4.00 FT ABOVE LSD.
LSD 165 FT ABOVE NGVD
HIGHEST WATER LEVEL 36.07 BELOW LSD, MAR. 21, 1974.
LOWEST WATER LEVEL 45.67 BELOW LSD, JAN. 25, 1982.
RECORDS AVAILABLE 1973-87.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 8, 1987 | 41.76 | | | | | | |

310131092345901 LOCAL WELL NUMBER: R-1021

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 28, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN., DEPTH 96 FT, SCREENED 93-96. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 155 FT ABOVE NGVD.
HIGHEST WATER LEVEL 42.68 BELOW LSD, MAY 9, 1974.
LOWEST WATER LEVEL 51.32 BELOW LSD, NOV. 16, 1982.
RECORDS AVAILABLE 1973-87.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 8, 1987 | 47.23 | | | | | | |

310303092355401 LOCAL WELL NUMBER: R-1022

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 20, T. 1N., R. 2W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN., DEPTH 96 FT, SCREENED 93-96. MP TOP OF CASING, 3.00 FT ABOVE LSD.
LSD 170 FT ABOVE NGVD.
HIGHEST WATER LEVEL 35.59 BELOW LSD, MAR. 21, 1974.
LOWEST WATER LEVEL 46.06 BELOW LSD, NOV. 16, 1982.
RECORDS AVAILABLE 1973-87.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 8, 1987 | 41.00 | | | | | | |

310403092370702 LOCAL WELL NUMBER: R-1024A

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 18, T. 1N., R. 2W.) BORED OBSERVATION SEMIARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN., DEPTH 16 FT, SCREENED 13-16. MP TOP OF CASING, 4.03 FT ABOVE LSD.
LSD 115 FT ABOVE NGVD.
HIGHEST WATER LEVEL 0.21 ABOVE LSD, MAY 23, 1983.
LOWEST WATER LEVEL 5.77 BELOW LSD, AUG. 26, 1981.
RECORDS AVAILABLE 1973-87.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 8, 1987 | 4.60 | | | | | | |

310403092370701 LOCAL WELL NUMBER: R-1024B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 18, T. 1N., R. 2W.) BORED OBSERVATION SEMIARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN., DEPTH 152 FT, SCREENED 149-152. MP TOP OF CASING, AT LSD.
LSD 115 FT ABOVE NGVD.
HIGHEST WATER LEVEL 1.10 ABOVE LSD, MAY 23, 1983.
LOWEST WATER LEVEL 4.88 BELOW LSD, AUG. 24, 1983.
RECORDS AVAILABLE 1973-87.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 8, 1987 | 3.69 | | | | | | |

310635092391602 LOCAL WELL NUMBER: R-1029A

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 34, T. 2N., R. 3W.) BORED OBSERVATION ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN., DEPTH 22 FT, SCREENED 19-22. MP TOP OF CASING, 2.61 FT ABOVE LSD.
LSD 140 FT ABOVE NGVD.
HIGHEST WATER LEVEL 6.55 BELOW LSD, MAY 3, 1977.
LOWEST WATER LEVEL 11.67 BELOW LSD, MAY 12, 1978.
RECORDS AVAILABLE 1973-87.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 8, 1987 | 11.21 | | | | | | |

## RAPIDES PARISH

### 310635092391601 LOCAL WELL NUMBER: R-1029B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 34, T. 2N., R. 3W.) BORED OBSERVATION ARTESIAN WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 152 FT, SCREENED 149-152. MP TOP OF CASING, 2.73 FT ABOVE LSD.
LSD 140 FT ABOVE NGVD.
HIGHEST WATER LEVEL 6.84 BELOW LSD, MAY 3, 1977.
LOWEST WATER LEVEL 11.73 BELOW LSD, SEP. 27, 1982.
RECORDS AVAILABLE 1973-87.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 8, 1987 | 10.76 | | | | | | |

### 311159092441001 LOCAL WELL NUMBER: R-1056

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 36, T. 3N., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF PLIOCENE-MIOCENE AGE, DIAM 2 IN., DEPTH 1,555 FT, SCREENED 1,545-1,555. MP TOP OF BUSHING, 0.95 FT BELOW LSD.
LSD 240 FT ABOVE NGVD.
HIGHEST WATER LEVEL 157.97 BELOW LSD, MAY 9, 1977.
LOWEST WATER LEVEL 234.38 BELOW LSD, JUNE 22, 1988.
RECORDS AVAILABLE 1974-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 8, 1987 | 230.57 | MAR. 28, 1988 | 228.90 | JUNE 22, 1988 | 234.38 | | |

### 310007092431601 LOCAL WELL NUMBER: R-1207

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 1, T. 1S., R. 4W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 4 TO 2 IN., DEPTH 2,772 FT, SCREENED 2,752-2,772. MP TOP OF BUSHING, 4.20 FT ABOVE LSD.
LSD 180 FT ABOVE NGVD.
HIGHEST WATER LEVEL 56.10 BELOW LSD, DEC. 1, 1981.
LOWEST WATER LEVEL 68.04 BELOW LSD, OCT. 9, 1987.
RECORDS AVAILABLE 1981-87.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 9, 1987 | 68.04 | | | | | | |

### 310007092431602 LOCAL WELL NUMBER: R-1208

OWNER. U.S. GEOLOGICAL SURVEY. (SEC. 1, T. 1S., R. 4W.) DRILLED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN., DEPTH 117 FT, SCREENED 92-117. MP TOP OF CASING, 1.70 FT ABOVE LSD.
LSD 180 FT ABOVE NGVD.
HIGHEST WATER LEVEL 25.72 BELOW LSD, MAR. 21, 1985.
LOWEST WATER LEVEL 32.41 BELOW LSD, NOV. 26, 1982.
RECORDS AVAILABLE 1981-87.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 9, 1987 | 28.58 | | | | | | |

## RED RIVER PARISH

### 321010093143901 LOCAL WELL NUMBER: RR-274

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 25, T. 14N., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 206 FT, SCREENED 196-206. MP TOP OF BUSHING, 4.00 FT ABOVE LSD.
LSD 235 FT ABOVE NGVD.
HIGHEST WATER LEVEL 58.04 BELOW LSD, MAY 15, 1980.
LOWEST WATER LEVEL 62.26 BELOW LSD, OCT. 8, 1982.
RECORDS AVAILABLE 1979-87.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 27, 1987 | 60.97 | NOV. 30, 1987 | 60.62 | | | | |

## RED RIVER PARISH

321010093143902 LOCAL WELL NUMBER: RR-276

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 25, T. 14N., R. 9W.) BORED OBSERVATION WATER-TABLE WELL IN THE TERRACE AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN., DEPTH 42 FT. SCREENED 39-42. MP TOP OF BUSHING, 3.50 FT ABOVE LSD.
LSD 235 FT ABOVE NGVD.
HIGHEST WATER LEVEL 21.43 BELOW LSD, MAR. 6, 1987.
LOWEST WATER LEVEL 27.74 BELOW LSD, OCT. 8, 1982.
RECORDS AVAILABLE 1980-87.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 27, 1987 | 26.23 | NOV. 30, 1987 | 26.15 | | | | |

320019093225603 LOCAL WELL NUMBER: RR-280

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 22, T. 12N., R. 10W.) BORED OBSERVATION ARTESIAN WELL IN THE RED RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN., DEPTH 42 FT. SCREENED 39-42. MP TOP OF CASING, 4.70 FT ABOVE LSD.
LSD 128 FT ABOVE NGVD.
HIGHEST WATER LEVEL 2.33 BELOW LSD, MAR. 3, 1987.
LOWEST WATER LEVEL 15.20 BELOW LSD, OCT. 16, 1984.
RECORDS AVAILABLE 1982-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| NOV. 30, 1987 | 12.10 | MAY 2, 1988 | 6.93 | JUNE 6, 1988 | 9.91 | AUG. 3, 1988 | 12.42 |
| MAR. 9, 1988 | 3.34 | MAY 19 | 8.55 | JULY 6 | 11.75 | SEP. 6 | 13.32 |
| APR. 6 | 3.30 | | | | | | |

## RICHLAND PARISH

322623091294901 LOCAL WELL NUMBER: RI-112

OWNER: MRS. EMMETT REYNOLDS. (SEC. 24, T. 17N., R. 9E.) DRILLED UNUSED WATER-TABLE WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE. DIAM 2 IN., DEPTH 67 FT. SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 2.00 FT ABOVE LSD.
LSD 95 FT ABOVE NGVD.
HIGHEST WATER LEVEL 30.19 BELOW LSD, MAY 25, 1978.
LOWEST WATER LEVEL 35.42 BELOW LSD, SEP. 22, 1982.
RECORDS AVAILABLE 1978-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| JUNE 8, 1988 | 33.23 | | | | | | |

322636091295702 LOCAL WELL NUMBER: RI-114

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 24, T. 17N., R. 9E.) DRILLED OBSERVATION WATER-TABLE WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN., DEPTH 66 FT. SCREENED 63-66. MP TOP OF CASING, 4.35 FT ABOVE LSD.
LSD 95 FT ABOVE NGVD.
HIGHEST WATER LEVEL 31.91 BELOW LSD, AUG. 7, 1975.
LOWEST WATER LEVEL 34.95 BELOW LSD, DEC. 4, 1972.
RECORDS AVAILABLE 1972-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| JUNE 8, 1988 | 32.15 | | | | | | |

322605091301101 LOCAL WELL NUMBER: RI-124

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 25, T. 17N., R. 9E.) BORED OBSERVATION WATER-TABLE WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN., DEPTH 84 FT. SCREENED 81-84. MP TOP OF CASING, 1.60 FT ABOVE LSD.
LSD 95 FT ABOVE NGVD.
HIGHEST WATER LEVEL 32.13 BELOW LSD, AUG. 7, 1975.
LOWEST WATER LEVEL 34.53 BELOW LSD, SEP. 22, 1982.
RECORDS AVAILABLE 1974-84, 1986-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| JUNE 8, 1988 | 32.30 | | | | | | |

## SABINE PARISH

311828093270301 LOCAL WELL NUMBER: SA-386

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 24, T. 4N., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 2 IN., DEPTH 131 FT, SCREENED 126-131. MP TOP OF CASING, 2.20 FT ABOVE LSD.
LSD 242 FT ABOVE NGVD.
HIGHEST WATER LEVEL 12.78 BELOW LSD, APR. 24, 1973, MAY 19, 1975.
LOWEST WATER LEVEL 17.73 BELOW LSD, OCT. 29, 1980.
RECORDS AVAILABLE 1965-87.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 1, 1987 | 17.23 | | | | | | |

314620093460801 LOCAL WELL NUMBER: SA-395

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 14, T. 9N., R. 14W.) DRILLED OBSERVATION ARTESIAN WELL IN THE WILCOX GROUP OF EOCENE-PALEOCENE AGE, DIAM 2 IN., DEPTH 293 FT, SCREENED 288-293. MP TOP OF CASING, 1.50 FT ABOVE LSD.
LSD 210 FT ABOVE NGVD.
HIGHEST WATER LEVEL 1.03 ABOVE LSD, JUNE 5, 1968.
LOWEST WATER LEVEL 9.58 BELOW LSD, AUG. 18, 1987.
RECORDS AVAILABLE 1965-87.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 5, 1987 | 9.35 | | | | | | |

## ST. CHARLES PARISH

300022090241001 LOCAL WELL NUMBER: SC-9

OWNER: SHELL OIL CO. (SEC. 6, T. 12S., R. 8E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 24 IN., DEPTH 808 FT, SCREENED 673-808. MP TOP OF 2-IN. COLLAR ON STEEL PLATE, AT LSD.
LSD 4.79 FT ABOVE NGVD.
HIGHEST WATER LEVEL 12.40 BELOW LSD, JAN. 19, 1950.
LOWEST WATER LEVEL 39.98 BELOW LSD, SEP. 14, 1953.
RECORDS AVAILABLE 1943, 1949-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 26, 1987 | 25.98 | DEC. 9, 1987 | 25.02 | MAR. 8, 1988 | 25.12 | JUNE 29, 1988 | 21.27 |

300022090241002 LOCAL WELL NUMBER: SC-14

OWNER: SHELL OIL CO. (SEC. 6, T. 12S., R. 8E.) DRILLED UNUSED ARTESIAN WELL IN NORCO AQUIFER OF PLEISTOCENE AGE, DIAM 18 IN., DEPTH 404 FT, SCREENED 324-404. MP BOTTOM EDGE OF DOOR ON CULVERT, 1.35 FT ABOVE LSD.
LSD 5.51 FT ABOVE NGVD.
HIGHEST WATER LEVEL 15.22 BELOW LSD, MAY 5, 1988.
LOWEST WATER LEVEL 90.74 BELOW LSD, SEP. 17, 1957.
RECORDS AVAILABLE 1956-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 5, 1987 | 35.19 | DEC. 31, 1987 | 30.25 | MAR. 31, 1988 | 24.72 | JULY 5, 1988 | 29.94 |
| OCT. 10 | 35.12 | JAN. 5, 1988 | 29.19 | APR. 5 | 24.08 | JULY 10 | 29.80 |
| OCT. 15 | 34.96 | JAN. 10 | 28.47 | APR. 10 | 21.17 | JULY 15 | 30.37 |
| OCT. 20 | 34.97 | JAN. 15 | 28.99 | APR. 15 | 19.96 | JULY 20 | 28.75 |
| OCT. 25 | 34.98 | JAN. 20 | 29.03 | APR. 20 | 19.58 | JULY 25 | 27.98 |
| OCT. 27 | 34.88H | JAN. 25 | 28.75 | APR. 25 | 19.35 | JULY 31 | 28.49 |
| OCT. 31 | 35.09 | JAN. 31 | 28.41 | APR. 30 | 19.20 | AUG. 5 | 37.13 |
| NOV. 5 | 34.41 | FEB. 5 | 28.16 | MAY 5 | 15.22J | AUG. 10 | 37.64 |
| NOV. 10 | 34.29 | FEB. 10 | 27.92 | MAY 10 | 19.49 | AUG. 15 | 39.34 |
| NOV. 15 | 33.36 | FEB. 15 | 27.96 | MAY 15 | 20.42 | AUG. 20 | 39.86 |
| NOV. 20 | 32.91 | FEB. 20 | 27.58 | MAY 20 | 20.38 | AUG. 25 | 40.66 |
| NOV. 25 | 32.81 | FEB. 25 | 27.61 | MAY 25 | 20.42 | AUG. 31 | 41.16 |
| NOV. 30 | 32.12 | FEB. 29 | 27.47 | MAY 31 | 27.78 | SEP. 5 | 41.17 |
| DEC. 5 | 30.81 | MAR. 5 | 27.05 | JUNE 5 | 28.95 | SEP. 10 | 41.16 |
| DEC. 9 | 30.73H | MAR. 8 | 26.04H | JUNE 10 | 29.56 | SEP. 15 | 41.83 |
| DEC. 10 | 30.48 | MAR. 10 | 25.65 | JUNE 15 | 27.82 | SEP. 20 | 41.94 |
| DEC. 15 | 31.01 | MAR. 15 | 25.22 | JUNE 20 | 27.31 | SEP. 25 | 42.10 |
| DEC. 20 | 30.49 | MAR. 20 | 25.50 | JUNE 29 | 29.77H | SEP. 29 | 42.27J |
| DEC. 25 | 30.18 | MAR. 25 | 25.48 | JUNE 30 | 29.83 | SEP. 30 | 42.23 |

SEE FOOTNOTES AT END OF TABLE.

## ST. CHARLES PARISH

295950090283001 LOCAL WELL NUMBER: SC-82

OWNER: LOUISIANA POWER & LIGHT CO. (SEC. 26, T. 12S., R. 20E.) DRILLED UNUSED ARTESIAN WELL IN NORCO AQUIFER OF PLEISTOCENE AGE. DIAM 4 IN., DEPTH 373 FT. SCREENED INTERVAL UNKNOWN. MP TOP EDGE OF HOLE IN 4-IN. CAP AT TOP OF 4-IN. CASING EXTENSION, 4.69 FT ABOVE LSD.
LSD 12 FT ABOVE NGVD.
HIGHEST WATER LEVEL 17.63 BELOW LSD, MAY 21, 1979.
LOWEST WATER LEVEL 36.34 BELOW LSD, NOV. 4, 1958.
RECORDS AVAILABLE 1957-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| DEC. 10, 1987 | 23.12 | MAR. 28, 1988 | 18.14 | JUNE 30, 1988 | 25.95 | | |

295747090242501 LOCAL WELL NUMBER: SC-174

OWNER: U. S. GEOLOGICAL SURVEY. (SEC. 17, T. 13S., R. 20E.) DRILLED OBSERVATION ARTESIAN WELL IN GRAMERCY AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 272 FT, SCREENED 262-272. MP TOP OF 2-IN. CASING COLLAR, AT LSD.
LSD 14 FT ABOVE NGVD.
HIGHEST WATER LEVEL 8.25 BELOW LSD, MAY 1, 1984.
LOWEST WATER LEVEL 17.08 BELOW LSD, NOV. 3, 1980.
RECORDS AVAILABLE 1980-85, CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| MAR. 8, 1988 | 11.76 | JUNE 30, 1988 | 16.44 | | | | |

## ST. HELENA PARISH

305300090502701 LOCAL WELL NUMBER: SH-9

OWNER: TWO-B RANCH. (SEC. 73, T. 2S., R. 4E.) DRILLED DOMESTIC AND STOCK ARTESIAN WELL IN ZONE 3 SAND OF MIOCENE AGE, DIAM 4 IN., DEPTH 2,135 FT, SCREENED 2,106-2,135. MP 3/8-IN. HOLE IN TOP OF WELL SEAL, 1.28 FT ABOVE LSD.
LSD 165 FT ABOVE NGVD.
HIGHEST WATER LEVEL 54.56 BELOW LSD, SEP. 13, 1960.
LOWEST WATER LEVEL 84.31 BELOW LSD, OCT. 23, 1986.
RECORDS AVAILABLE 1960-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 16, 1987 | 80.23 | APR. 8, 1988 | 84.02 | | | | |

## ST. JAMES PARISH

300024090433501 LOCAL WELL NUMBER: SJ-86

OWNER: RICHARD J. BRAZAN. (SEC. 20, T. 12S., R. 17E.) DRILLED UNUSED ARTESIAN WELL IN GRAMERCY AQUIFER OF PLEISTOCENE AGE, DIAM 3 IN., DEPTH 290 FT, SCREENED 280-290. MP TOP OF 2-IN. NIPPLE EXTENDING FROM TOP OF CASING COLLAR, 1.44 FT ABOVE LSD.
LSD 18.3 FT ABOVE NGVD.
HIGHEST WATER LEVEL 3.79 BELOW LSD, MAY 21, 1979.
LOWEST WATER LEVEL 19.00 BELOW LSD, OCT. 31, 1963.
RECORDS AVAILABLE 1960-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 28, 1987 | 18.10 | DEC. 8, 1987 | 16.48 | MAR. 21, 1988 | 10.03 | JUNE 29, 1988 | 15.74 |

300433090403701 LOCAL WELL NUMBER: SJ-186

OWNER: U S. GEOLOGICAL SURVEY. (SEC. 43, T. 11S., R. 5E.) DRILLED OBSERVATION ARTESIAN WELL IN GRAMERCY AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN., DEPTH 230 FT, SCREENED 220-230. MP TOP OF 2-IN. CASING, 1.00 FT ABOVE LSD.
LSD 4 FT ABOVE NGVD.
HIGHEST WATER LEVEL 3.82 ABOVE LSD, MAY 9, 1979.
LOWEST WATER LEVEL 9.58 BELOW LSD, OCT. 22, 1987.
RECORDS AVAILABLE 1974-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 22, 1987 | 9.58 | JAN. 6, 1988 | 3.92 | MAR. 7, 1988 | 1.73 | JUNE 29, 1988 | 8.18 |

## ST. JAMES PARISH

300445090520301 LOCAL WELL NUMBER: SJ-203

OWNER: RIVER ROAD FARM SUPPLY CO. (SEC. 38, T. 11S., R. 3E.) DRILLED INDUSTRIAL ARTESIAN WELL IN THE NORCO AQUIFER OF PLEISTOCENE AGE. DIAM 18 TO 10 IN., DEPTH 444 FT. SCREENED 384-444. MP TOP OF CASING, 0.65 FT ABOVE LSD.
LSD 19 FT ABOVE NGVD.
HIGHEST WATER LEVEL 6.80 BELOW LSD, FEB. 19, 1975.
LOWEST WATER LEVEL 18.74 BELOW LSD, MAR. 29, 1988.
RECORDS AVAILABLE 1975, 1985-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 28, 1987 | 18.28 | MAR. 29, 1988 | 18.74 | JUNE 29, 1988 | 15.49 | | |

## ST. JOHN THE BAPTIST PARISH

300232090390405 LOCAL WELL NUMBER: SJB-144

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 18, T. 12S., R. 18E.) DRILLED OBSERVATION ARTESIAN WELL IN OLDER DELTAIC DEPOSITS OF PLEISTOCENE AGE. DIAM 4 TO 2 IN., DEPTH 170 FT. SCREENED 158-170. MP TOP OF 4-IN. CAP, 3.22 FT ABOVE LSD.
LSD 17.75 FT ABOVE NGVD.
HIGHEST WATER LEVEL 3.15 ABOVE LSD, MAY 17, 1973.
LOWEST WATER LEVEL 15.37 BELOW LSD, DEC. 11, 1963.
RECORDS AVAILABLE 1962-87.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 22, 1987 | 14.89 | | | | | | |

300234090390301 LOCAL WELL NUMBER: SJB-145

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 18, T. 12S., R. 18E.) DRILLED OBSERVATION ARTESIAN WELL IN GRAMERCY AQUIFER OF PLEISTOCENE AGE. DIAM 4 TO 2 IN., DEPTH 315 FT. SCREENED 305-315. MP TOP OF 4-IN. CAP, 2.60 FT ABOVE LSD.
LSD 17.71 FT ABOVE NGVD.
HIGHEST WATER LEVEL 3.91 BELOW LSD, MAY 17, 1973.
LOWEST WATER LEVEL 21.34 BELOW LSD, JAN. 13, 1964.
RECORDS AVAILABLE 1962-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 22, 1987 | 20.78 | MAR. 28, 1988 | 12.21 | JUNE 30, 1988 | 20.73 | | |

300310090281702 LOCAL WELL NUMBER: SJB-163B

OWNER: GUY REINE. (SEC. 30, T. 11S., R. 7E.) DRILLED DOMESTIC ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE. DIAM 4 TO 2 IN., DEPTH 635 FT. SCREENED 625-635. MP TOP OF 2-IN NIPPLE, 4.56 FT ABOVE LSD.
LSD 10 FT ABOVE NGVD.
HIGHEST WATER LEVEL 21.05 BELOW LSD, MAY 22, 1973.
LOWEST WATER LEVEL 23.87 BELOW LSD, SEP. 30, 1981.
RECORDS AVAILABLE 1971-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 22, 1987 | 22.10 | MAR. 8, 1988 | 21.38 | | | | |

## ST. LANDRY PARISH

303108092041201 LOCAL WELL NUMBER: SL-37

OWNER: U. S. GEOLOGICAL SURVEY. (SEC. 85, T. 6S., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN EVANGELINE AQUIFER OF PLIOCENE-MIOCENE AGE. DIAM 2 IN., DEPTH 629 FT. SCREENED 624-629. MP TOP INSIDE EDGE OF 2-IN. CASING, 2.00 FT ABOVE LSD.
LSD 60 FT ABOVE NGVD.
HIGHEST WATER LEVEL 68.56 BELOW LSD, JUNE 7, 1966.
LOWEST WATER LEVEL 97.47 BELOW LSD, JUNE 29, 1981.
RECORDS AVAILABLE 1966-85, 1987.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 20, 1987 | 88.96 | | | | | | |

## ST. LANDRY PARISH

304116092083601 LOCAL WELL NUMBER: SL-179

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 40, T. 4S., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE. DIAM 1 1/4 IN., DEPTH 94 FT. SCREENED 91-94. MP TOP OF 1 1/4-IN. PIPE, 4.00 FT ABOVE LSD.
LSD 55.23 FT ABOVE NGVD.
HIGHEST WATER LEVEL 45.23 BELOW LSD, APR. 28, 1958.
LOWEST WATER LEVEL 57.99 BELOW LSD, OCT. 17, 1984.
RECORDS AVAILABLE 1958-72, 1974-79, 1981-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 20, 1987 | 56.23 | APR. 7, 1988 | 56.05 | | | | |

303150092252101 LOCAL WELL NUMBER: SL-200

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 13, T. 6S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN EVANGELINE AQUIFER OF PLIOCENE-MIOCENE AGE. DIAM 2 IN., DEPTH 708 FT. SCREENED 703-708. MP TOP OF 2-IN. CASING, 0.40 FT ABOVE LSD. WELL PLUGGED DEC. 15, 1987.
LSD 50.72 FT ABOVE NGVD.
HIGHEST WATER LEVEL 68.57 BELOW LSD, APR. 26 1966.
LOWEST WATER LEVEL 85.10 BELOW LSD, SEP. 23, 1981.
RECORDS AVAILABLE 1965-87.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 20, 1987 | 80.10 | | | | | | |

## ST. MARTIN PARISH

301304091424001 LOCAL WELL NUMBER: SMN-108

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 36, T. 9S., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE. DIAM 2 IN., DEPTH 505 FT. SCREENED 500-505. MP TOP OF 2-IN. CASING, 2.72 FT ABOVE LSD
LSD 11.34 FT ABOVE NGVD.
HIGHEST WATER LEVEL 3.54 ABOVE LSD, APR. 13, 1973.
LOWEST WATER LEVEL 9.13 BELOW LSD, NOV. 11, 1987.
RECORDS AVAILABLE 1965-73, 1975-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| NOV. 11, 1987 | 9.13 | MAR. 16, 1988 | 3.17 | | | | |

301304091424002 LOCAL WELL NUMBER: SMN-109

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 36, T. 9S., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE. DIAM 2 IN., DEPTH 375 FT. SCREENED 370-375. MP TOP OF 2-IN. CASING, 2.40 FT ABOVE LSD.
LSD 11.34 FT ABOVE NGVD.
HIGHEST WATER LEVEL 2.94 ABOVE LSD, FEB. 27, 1974.
LOWEST WATER LEVEL 10.38 BELOW LSD, NOV. 11, 1987.
RECORDS AVAILABLE 1965-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| NOV. 11, 1987 | 10.38 | MAR. 16, 1988 | 3.45 | | | | |

## ST. TAMMANY PARISH

302055090014601 LOCAL WELL NUMBER: ST-12

OWNER: LOUISIANA OFFICE OF STATE PARKS. (SEC. 37, T. 8S., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN BIG BRANCH AQUIFER (ZONE 1) OF PLIOCENE AGE. DIAM 6 IN., DEPTH 1,525 FT. SCREENED INTERVAL UNKNOWN. MP CENTER LINE OF 4-IN. TEE, 2.[illegible]0 FT BELOW LSD.
LSD 10 FT ABOVE NGVD.
HIGHEST WATER LEVEL 55.90 ABOVE LSD, J[illegible] 25, 1940.
LOWEST WATER LEVEL 23.50 ABOVE LSD, JAN. 7, 1970.
RECORDS AVAILABLE 1939-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 8, 1987 | +29.20 | APR. 12, 1988 | +28.90 | SEP. 6, 1988 | +29.10 | | |

SEE FOOTNOTES AT END OF TABLE.

## ST. TAMMANY PARISH

301536089470501 LOCAL WELL NUMBER: ST-563

OWNER: CITY OF SLIDELL, (SEC. 15, T. 9S., R. 14E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SLIDELL AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 10 IN., DEPTH 2,411 FT, SCREENED 2,262-2,411, MP CENTER LINE OF FAUCET ON DISCHARGE LINE, 3.50 FT ABOVE LSD.
LSD 10.24 FT ABOVE NGVD.
HIGHEST WATER LEVEL 118.90 ABOVE LSD, JUNE 12, 1958.
LOWEST WATER LEVEL 54.50 ABOVE LSD, OCT. 9, 1985.
RECORDS AVAILABLE 1957-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 8, 1987 | +56.20 | APR. 12, 1988 | +56.30 | SEP. 6, 1988 | +58.70 | | |

303010090120701 LOCAL WELL NUMBER: ST-615

OWNER: U.S. GEOLOGICAL SURVEY, (SEC. 28, T. 6S., R. 10E.) BORED OBSERVATION ARTESIAN WELL IN UPLAND TERRACE DEPOSITS OF PLEISTOCENE AGE, DIAM 1 1/4 IN., DEPTH 34 FT, SCREENED 32-34, MP TOP OF CASING, 2.30 FT ABOVE LSD.
LSD 38 FT ABOVE NGVD.
HIGHEST WATER LEVEL 2.51 BELOW LSD, JAN. 11, 1972.
LOWEST WATER LEVEL 9.48 BELOW LSD, DEC. 4, 1968.
RECORDS AVAILABLE 1968-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 7, 1987 | 3.71 | APR. 12, 1988 | 2.70 | | | | |

## TANGIPAHOA PARISH

304550090304101 LOCAL WELL NUMBER: TA-260

OWNER: TOWN OF ROSELAND, (SEC. 28, T. 3S., R. 7E.) DRILLED UNUSED PUBLIC-SUPPLY ARTESIAN WELL IN AMITE AQUIFER (ZONE 3) OF MIOCENE AGE, DIAM 4 IN., DEPTH 2,013 FT, SCREENED 1,951-2,013, MP TOP OF 3/4-IN. VALVE, 3.65 FT ABOVE LSD.
LSD 130.86 FT ABOVE NGVD.
HIGHEST WATER LEVEL 34.65 ABOVE LSD, MAY 5, 1953.
LOWEST WATER LEVEL 27.60 BELOW LSD, OCT. 5, 1983.
RECORDS AVAILABLE 1953-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 16, 1987 | 24.61 | FEB. 10, 1988 | 25.43 | MAY 11, 1988 | 21.44 | | |

303420090221701 LOCAL WELL NUMBER: TA-278

OWNER: RAY DUNNINGTON, (SEC. 35, T. 5S., R. 8E.) DRILLED DOMESTIC AND STOCK ARTESIAN WELL IN COVINGTON AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 2 IN., DEPTH 1,430 FT, SCREENED 1,410-1,430, MP TOP OF CASING, 2.00 FT ABOVE LSD.
LSD 52 FT ABOVE NGVD.
HIGHEST WATER LEVEL 87.80 ABOVE LSD, JAN. 14, 1961.
LOWEST WATER LEVEL 59.00 ABOVE LSD, FEB. 11, 1988.
RECORDS AVAILABLE 1961, CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| JAN. 14, 1961 | +87.80R | FEB. 11, 1988 | +59.00 | APR. 13, 1988 | +59.80 | | |

305604090312001 LOCAL WELL NUMBER: TA-286

OWNER: TOWN OF KENTWOOD, (SEC. 29, T. 1S., R. 7E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN KENTWOOD AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 12 IN., DEPTH 640 FT, SCREENED 559-640, MP TOP OF CASING, 2.90 FT ABOVE LSD.
LSD 270 FT ABOVE NGVD.
HIGHEST WATER LEVEL 62.90 ABOVE LSD, MAR. 17, 1988.
LOWEST WATER LEVEL 62.90 ABOVE LSD, MAR. 17, 1988.
RECORDS AVAILABLE CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| MAR. 17, 1988 | +62.90 | | | | | | |

SEE FOOTNOTES AT END OF TABLE.

## TANGIPAHOA PARISH

303622090243901 LOCAL WELL NUMBER: TA-360

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 21, T. 5S., R. 8E.) BORED OBSERVATION ARTESIAN WELL IN UPLAND TERRACE DEPOSITS OF QUATERNARY AGE, DIAM 1 1/4 IN., DEPTH 54 FT, SCREENED 52-54. MP TOP OF CASING, 3.15 FT ABOVE LSD.
LSD 75 FT ABOVE NGVD.
HIGHEST WATER LEVEL 14.85 BELOW LSD, OCT. 29, 1980.
LOWEST WATER LEVEL 18.76 BELOW LSD, DEC. 3, 1968
RECORDS AVAILABLE 1968-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| NOV. 9, 1987 | 16.37 | APR. 13, 1988 | 16.73 | | | | |

305737090322501 LOCAL WELL NUMBER: TA-362

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 40, T. 1S., R. 7E.) BORED OBSERVATION ARTESIAN WELL IN UPLAND TERRACE DEPOSITS OF QUATERNARY AGE, DIAM 1 1/4 IN., DEPTH 43 FT, SCREENED 40-43. MP TOP OF CASING, 3.20 FT ABOVE LSD.
LSD 265 FT ABOVE NGVD.
HIGHEST WATER LEVEL 16.65 BELOW LSD, APR. 28, 1980.
LOWEST WATER LEVEL 25.03 BELOW LSD, DEC. 21, 1970.
RECORDS AVAILABLE 1968-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| NOV. 9, 1987 | 21.42 | MAR. 17, 1988 | 21.04 | APR. 8, 1988 | 20.18 | | |

305434090264201 LOCAL WELL NUMBER: TA-440

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 47, T. 2S., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN KENTWOOD AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 2 IN., DEPTH 603 FT, SCREENED 593-603. MP TOP OF 2-IN. GALV. PIPE, 2.15 FT ABOVE LSD.
LSD 220 FT ABOVE NGVD.
HIGHEST WATER LEVEL 1.61 BELOW LSD, SEP. 24, 1975.
LOWEST WATER LEVEL 7.22 BELOW LSD, OCT. 23, 1986.
RECORDS AVAILABLE 1975-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 16, 1987 | 5.51 | MAR. 17, 1988 | 5.75 | | | | |

## UNION PARISH

324417092090001 LOCAL WELL NUMBER: UN-26

OWNER: MANVILLE FOREST PRODUCTS. (SEC. 10, T. 20N., R. 3E.) DRILLED UNUSED ARTESIAN WELL IN THE SPARTA SAND OF EOCENE AGE, DIAM 8 IN., DEPTH 745 FT, SCREENED 670-745. MP 3/4-IN. HOLE IN TOP OF WELL COVER, 1.90 FT ABOVE LSD.
LSD 133.92 FT ABOVE NGVD.
HIGHEST WATER LEVEL 141.11 BELOW LSD, JULY 26, 1959.
LOWEST WATER LEVEL 180.42 BELOW LSD, DEC. 10, 1981.
RECORDS AVAILABLE 1956-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| APR. 26, 1988 | 178.48 | | | | | | |

## VERNON PARISH

310251093125501 LOCAL WELL NUMBER: V-108

OWNER: U.S. ARMY, FORT POLK. SEC. 20, T. 1N., R. 8W.) DRILLED UNUSED ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 8 IN., DEPTH 675 FT, SCREENED 640-675. MP TOP OF CASING, 1.50 FT ABOVE LSD.
LSD 305.27 FT ABOVE NGVD.
HIGHEST WATER LEVEL 143.26 BELOW LSD, JULY 10, 1961.
LOWEST WATER LEVEL 214.14 BELOW LSD, JULY 25, 1981.
RECORDS AVAILABLE 1941, 1943, 1958-61, 1963-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 1, 1987 | 185.84H | JAN. 20, 1988 | 182.67 | APR. 12, 1988 | 177.27J | JULY 5, 1988 | 180.09 |
| NOV. 2 | 180.76H | JAN. 25 | 182.17H | APR. 15 | 177.64 | JULY 10 | 179.38 |
| NOV. 5 | 180.73 | JAN. 31 | 181.53 | APR. 20 | 177.59 | JULY 15 | 179.48 |
| NOV. 10 | 180.57 | FEB. 5 | 180.98 | APR. 25 | 177.56 | JULY 20 | 179.12 |
| NOV. 15 | 180.32 | FEB. 10 | 180.36 | APR. 30 | 178.31 | JULY 25 | 179.05 |
| NOV. 18 | 180.95H | FEB. 15 | 179.85 | MAY 5 | 178.84 | JULY 31 | 179.25 |
| NOV. 20 | 181.58 | FEB. 20 | 179.66 | MAY 10 | 178.76 | AUG. 5 | 179.70 |
| NOV. 25 | 183.13 | FEB. 25 | 179.48 | MAY 15 | 179.05 | AUG. 10 | 179.97 |
| NOV. 30 | 184.18 | FEB. 29 | 179.22 | MAY 20 | 179.50 | AUG. 15 | 179.71 |
| DEC. 5 | 184.54 | MAR. 5 | 179.05 | MAY 25 | 180.10 | AUG. 20 | 179.91 |
| DEC. 8 | 185.05J | MAR. 8 | 178.96H | MAY 31 | 179.92 | AUG. 25 | 179.89 |
| DEC. 10 | 184.46 | MAR. 10 | 178.85 | JUNE 5 | 179.74 | AUG. 31 | 180.40 |
| DEC. 15 | 183.67 | MAR. 15 | 178.55 | JUNE 10 | 179.77 | SEP. 5 | 180.03 |
| DEC. 20 | 183.46 | MAR. 20 | 178.05 | JUNE 15 | 180.00 | SEP. 10 | 180.43 |
| DEC. 25 | 183.64 | MAR. 25 | 177.80 | JUNE 20 | 180.04 | SEP. 15 | 181.84 |
| DEC. 31 | 182.75 | MAR. 31 | 177.95 | JUNE 22 | 180.19H | SEP. 20 | 181.92 |
| JAN. 5, 1988 | 182.45 | APR. 5 | 177.70 | JUNE 25 | 180.07 | SEP. 25 | 182.33 |
| JAN. 10 | 182.86 | APR. 10 | 177.68 | JUNE 30 | 180.12 | SEP. 30 | 182.63 |
| JAN. 15 | 183.96 | | | | | | |

310650093105002 LOCAL WELL NUMBER: V-127

OWNER: U.S. ARMY, FORT POLK. (SEC. 34, T. 2N., R. 8W.) DRILLED INSTITUTIONAL ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 12 TO 8 IN., DEPTH 602 FT SCREENED 552-602. MP ACCESS PIPE ON SIDE OF PUMP BASE, 2.00 FT ABOVE LSD.
LSD 339.6 FT ABOVE NGVD.
HIGHEST WATER LEVEL 199.50 BELOW LSD, OCT. 25, 1942.
LOWEST WATER LEVEL 235.80 BELOW LSD, APR. 29, 1987.
RECORDS AVAILABLE 1942, 1986-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 25, 1942 | 199.50R | SEP. 10, 1986 | 233.29 | APR. 29, 1987 | 235.80 | DEC. 10, 1987 | 227.70 |
| JUNE 24, 1986 | 230.60 | DEC. 9 | 230.20 | JULY 30 | 233.10 | MAR. 8, 1988 | 226.15 |

305850093260801 LOCAL WELL NUMBER: V-196

OWNER: LUTCHER MOORE LUMBER CO. (SEC. 18, T. 1S., R. 10W.) DRILLED IRRIGATION ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 10 IN., DEPTH 502 FT. SCREENED 450-502. MP TOP OF VENT PIPE, 2.00 FT ABOVE LSD.
LSD 243 FT ABOVE NGVD.
HIGHEST WATER LEVEL 99.00 BELOW LSD, APR. 7, 1955.
LOWEST WATER LEVEL 132.40 BELOW LSD, DEC. 10, 1987.
RECORDS AVAILABLE 1955, 1986-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| APR. 7, 1955 | 99.00R | JULY 29, 1986 | 128.28 | DEC. 10, 1987 | 132.40 | MAR. 1, 1988 | 131.62 |

SEE FOOTNOTES AT END OF TABLE.

310625093133501 LOCAL WELL NUMBER: V-204

OWNER: U.S. ARMY, FORT POLK. (SEC. 31, T. 2N., R. 8W.) DRILLED UNUSED ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 18 IN., DEPTH 1,100 FT, SCREENED 1,012-1,100. MP TOP OF CASING, 1.30 FT ABOVE LSD.

LSD 303 FT ABOVE NGVD.
HIGHEST WATER LEVEL 146.68 BELOW LSD, JAN. 30, 1986.
LOWEST WATER LEVEL 153.07 BELOW LSD, JULY 3, 1988.
RECORDS AVAILABLE 1986-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| JAN. 30, 1986 | 146.68H | MAR. 5, 1988 | 148.82 | MAY 15, 1988 | 151.48 | JULY 20, 1988 | 152.65 |
| APR. 10 | 147.65H | MAR. 8 | 148.70H | MAY 20 | 151.91 | JULY 25 | 152.63 |
| JUNE 24 | 149.00H | MAR. 10 | 148.60 | MAY 25 | 152.18 | JULY 31 | 152.99 |
| SEP. 16 | 150.62H | MAR. 15 | 148.63 | MAY 31 | 152.58 | AUG. 5 | 153.01 |
| DEC. 9 | 148.62H | MAR. 17 | 148.45J | JUNE 5 | 152.92 | AUG. 10 | 153.04 |
| APR. 29, 1987 | 148.89H | MAR. 20 | 148.65 | JUNE 10 | 152.53 | AUG. 15 | 152.74 |
| JULY 30 | 150.37H | MAR. 25 | 148.91 | JUNE 15 | 152.63 | AUG. 20 | 152.73 |
| DEC. 10 | 149.12H | MAR. 31 | 149.19 | JUNE 20 | 152.92 | AUG. 25 | 152.82 |
| JAN. 25, 1988 | 149.38H | APR. 5 | 149.31 | JUNE 22 | 152.60H | AUG. 31 | 152.93 |
| JAN. 31 | 149.38 | APR. 10 | 149.47 | JUNE 25 | 152.76 | SEP. 5 | 152.62 |
| FEB. 5 | 149.34 | APR. 15 | 149.97 | JUNE 30 | 152.60 | SEP. 10 | 152.39 |
| FEB. 10 | 149.24 | APR. 20 | 150.17 | JULY 3 | 153.07J | SEP. 15 | 152.23 |
| FEB. 15 | 149.15 | APR. 25 | 150.39 | JULY 5 | 153.00 | SEP. 20 | 152.14 |
| FEB. 20 | 149.10 | APR. 30 | 150.74 | JULY 10 | 152.65 | SEP. 25 | 152.39 |
| FEB. 25 | 149.23 | MAY 5 | 150.98 | JULY 15 | 152.43 | SEP. 30 | 152.73 |
| FEB. 29 | 149.03 | MAY 10 | 151.23 | | | | |

310435093135501 LOCAL WELL NUMBER: V-206

OWNER: U.S. ARMY, FORT POLK. (SEC. 7, T. 1N., R. 8W.) DRILLED UNUSED ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 8 IN., DEPTH 602 FT, SCREENED 569-602. MP TOP OF CASING, 2.80 FT ABOVE LSD.

LSD 245 FT ABOVE NGVD.
HIGHEST WATER LEVEL 131.62 BELOW LSD, MAR. 8, 1988.
LOWEST WATER LEVEL 143.27 BELOW LSD, APR. 29, 1987.
RECORDS AVAILABLE 1986-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| JAN. 30, 1986 | 135.28 | SEP. 16, 1986 | 138.62 | APR. 29, 1987 | 143.27 | DEC. 10, 1987 | 132.26 |
| APR. 10 | 136.97 | DEC. 9 | 136.27 | JULY 30 | 137.25 | MAR. 8, 1988 | 131.62 |
| JUNE 24 | 136.71 | | | | | | |

311213093322801 LOCAL WELL NUMBER: V-412

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 25, T. 3N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN., DEPTH 47 FT, SCREENED 42-47. MP TOP OF CASING, 1.00 FT ABOVE LSD.

LSD 121 FT ABOVE NGVD.
HIGHEST WATER LEVEL 10.90 BELOW LSD, AUG. 12, 1975.
LOWEST WATER LEVEL 14.25 BELOW LSD, DEC. 5, 1967.
RECORDS AVAILABLE 1965-87.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 1, 1987 | 13.54 | | | | | | |

311213093322802 LOCAL WELL NUMBER: V-413

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 25, T. 3N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN., DEPTH 360 FT, SCREENED 355-360. MP TOP OF CASING, 2.70 FT ABOVE LSD.

LSD 120 FT ABOVE NGVD.
HIGHEST WATER LEVEL 39.00 ABOVE LSD, OCT. 5, 1966.
LOWEST WATER LEVEL 21.30 ABOVE LSD, MAY 12, 1987.
RECORDS AVAILABLE 1965-87.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 1, 1987 | +25.10 | | | | | | |

SEE FOOTNOTES AT END OF TABLE.

## VERNON PARISH

311411093323601 LOCAL WELL NUMBER: V-414

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 13, T. 3N., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 2 IN., DEPTH 172 FT, SCREENED 167-172. MP TOP OF CASING, 1.20 FT ABOVE LSD.
LSD 160 FT ABOVE NGVD.
HIGHEST WATER LEVEL 34.61 BELOW LSD, MAY 19, 1975.
LOWEST WATER LEVEL 42.07 BELOW LSD, OCT. 28, 1965.
RECORDS AVAILABLE 1965-87.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 1, 1987 | 40.31 | | | | | | |

311201093080203 LOCAL WELL NUMBER: V-425B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 36, T. 3N., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CATAHOULA FM. OF MIOCENE AGE, DIAM 2 IN., DEPTH 1,404 FT, SCREENED 1,394-1,404. MP TOP OF BUSHING, 3.90 FT ABOVE LSD.
LSD 305 FT ABOVE NGVD.
HIGHEST WATER LEVEL 153.03 BELOW LSD, JAN. 13, 1970.
LOWEST WATER LEVEL 172.26 BELOW LSD, OCT. 8, 1987.
RECORDS AVAILABLE 1967-76, 1979-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 8, 1987 | 172.26 | MAR. 28, 1988 | 172.10 | | | | |

311201093080202 LOCAL WELL NUMBER: V-426

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 36, T. 3N., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN., DEPTH 915 FT, SCREENED 905-915. MP TOP OF BUSHING, 2.60 FT ABOVE LSD.
LSD 305 FT ABOVE NGVD.
HIGHEST WATER LEVEL 112.08 BELOW LSD, NOV. 21, 1969.
LOWEST WATER LEVEL 139.38 BELOW LSD, OCT. 8, 1987.
RECORDS AVAILABLE 1967-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 8, 1987 | 139.38 | MAR. 8, 1988 | 139.05 | | | | |

311544093002502 LOCAL WELL NUMBER: V-428

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 5, T. 3N., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 2 IN., DEPTH 925 FT, SCREENED 915-925. MP TOP OF BUSHING, 2.00 FT ABOVE LSD.
LSD 290 FT ABOVE NGVD.
HIGHEST WATER LEVEL 100.97 BELOW LSD, MAY 2, 1968.
LOWEST WATER LEVEL 118.28 BELOW LSD, SEP. 5, 1986.
RECORDS AVAILABLE 1967-80, 1983-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| MAR. 8, 1988 | 110.65 | | | | | | |

310307093120603 LOCAL WELL NUMBER: V-448

OWNER: U.S. ARMY, FORT POLK. (SEC. 21, T. 1N., R. 8W.) DRILLED INSTITUTIONAL ARTESIAN WELL IN THE WILLIAMSON CREEK MEMBER OF THE FLEMING FM. OF MIOCENE AGE. DIAM 12 IN., DEPTH 910 FT, SCREENED 858-910. MP TOP OF CASING, 1.00 FT ABOVE LSD.
LSD 340 FT ABOVE NGVD.
HIGHEST WATER LEVEL 239.75 BELOW LSD, MAR. 18, 1985.
LOWEST WATER LEVEL 337.00 BELOW LSD, JULY 10, 1985.
RECORDS AVAILABLE 1985-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| MAR. 18, 1985 | 239.75 | OCT. 17, 1985 | 333.10A | OCT. 22, 1986 | 260.35 | JULY 30, 1987 | 260.30 |
| MAY 22 | 243.20 | OCT. 18 | 249.50 | DEC. 9 | 266.10 | DEC. 10 | 261.20 |
| JULY 9 | 247.38 | MAR. 25, 1986 | 258.00 | APR. 29, 1987 | 284.55 | MAR. 8, 1988 | 253.20 |
| JULY 10 | 337.00A | JULY 1 | 262.74 | | | | |

SEE FOOTNOTES AT END OF TABLE.

## VERNON PARISH

310708093100904 LOCAL WELL NUMBER: V-513

OWNER: U.S. ARMY, FORT POLK. (SEC. 27, T. 2N., R. 8W.) DRILLED INSTITUTIONAL ARTESIAN WELL IN THE CARNAHAN BAYOU MEMBER OF THE FLEMING FM. OF MIOCENE AGE, DIAM 10 IN., DEPTH 1,280 FT. SCREENED 1,172-1,222 AND 1,250-1,280. MP TOP OF PVC DROP PIPE, 2.60 FT ABOVE LSD.
LSD 335 FT ABOVE NGVD. (LSD FORMERLY PUBLISHED AS 330 FT ABOVE NGVD.)
HIGHEST WATER LEVEL 179.20 BELOW LSD, MAR. 12, 1986.
LOWEST WATER LEVEL 240.58 BELOW LSD, JULY 10, 1985.
RECORDS AVAILABLE 1985-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| DEC. 10, 1987 | 183.62 | MAR. 8, 1988 | 183.25 | | | | |

## WASHINGTON PARISH

304652089512201 LOCAL WELL NUMBER: WA-13

OWNER: GAYLORD CONTAINER CORP. (SEC. 38, T. 3S., R. 13E.) DRILLED UNUSED ARTESIAN WELL IN UPLAND TERRACE DEPOSITS OF QUATERNARY AGE, DIAM 20 IN., DEPTH 156 FT, SCREENED 90-156. MP TOP EDGE OF RECORDER SHELTER SUBFLOOR, 1.30 FT ABOVE LSD.
LSD 95 FT ABOVE NGVD.
HIGHEST WATER LEVEL 1.30 ABOVE LSD, FEB. 22, 1961.
LOWEST WATER LEVEL 44.07 BELOW LSD, SEP. 22, 1958.
RECORDS AVAILABLE 1957-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 5, 1987 | 8.17 | MAR. 17, 1988 | 7.33 | | | | |

305515090194101 LOCAL WELL NUMBER: WA-91

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 32, T. 1S., R. 9E.) DRILLED OBSERVATION ARTESIAN WELL IN KENTWOOD AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 2 IN., DEPTH 600 FT, SCREENED 580-600. MP TOP OF 2-IN. CASING, 0.20 FT ABOVE LSD.
LSD 240 FT ABOVE NGVD.
HIGHEST WATER LEVEL 11.19 BELOW LSD, OCT. 30, 1980.
LOWEST WATER LEVEL 18.36 BELOW LSD, OCT. 23, 1986.
RECORDS AVAILABLE 1975-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| DEC. 28, 1987 | 17.76 | MAR. 17, 1988 | 16.92 | | | | |

305217089595001 LOCAL WELL NUMBER: WA-107

OWNER: LOUISIANA STATE UNIVERSITY. (SEC. 16, T. 2S., R. 12E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN ZONE 2 SAND OF PLIOCENE AGE, DIAM 4 IN., DEPTH 457 FT, SCREENED 441-457. MP TOP OF CASING, 0.64 FT ABOVE LSD.
LSD 260 FT ABOVE NGVD.
HIGHEST WATER LEVEL 78.55 BELOW LSD, NOV. 20, 1975.
LOWEST WATER LEVEL 84.04 BELOW LSD, MAY 11, 1988.
RECORDS AVAILABLE 1975, CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| NOV. 20, 1975 | 78.55 | MAY 11, 1988 | 84.04 | | | | |

304900089542601 LOCAL WELL NUMBER: WA-135

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 5, T. 3S., R. 13E.) DRILLED OBSERVATION ARTESIAN WELL IN ZONE 3 SAND OF MIOCENE AGE, DIAM 2 IN., DEPTH 1,450 FT, SCREENED 1,440-1,450. MP TOP OF 2-IN. CASING, 0.40 FT ABOVE LSD.
LSD 150 FT ABOVE NGVD.
HIGHEST WATER LEVEL 66.46 BELOW LSD, APR. 3, 1978.
LOWEST WATER LEVEL 89.10 BELOW LSD, JAN 22, 1982.
RECORDS AVAILABLE 1977-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 5, 1987 | 83.60 | DEC. 9, 1987 | 82.52 | MAR. 17, 1988 | 74.23 | AUG. 16, 1988 | 86.99 |

## WEST BATON ROUGE PARISH

302732091121901 LOCAL WELL NUMBER: WBR-5

OWNER: CITY OF PORT ALLEN. (SEC. 66, T. 7S., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 8 IN., DEPTH 1,335 FT, SCREENED 1,230-1,335. MP TOP EDGE OF 3/8-IN. HOLE IN 8-IN. PLUG IN TEE ATOP CASING, 3.60 FT ABOVE LSD.
LSD 27 FT ABOVE NGVD.
HIGHEST WATER LEVEL 36.10 ABOVE LSD, JUNE 21, 1943.
LOWEST WATER LEVEL 112.62 BELOW LSD, AUG. 15, 1974.
RECORDS AVAILABLE 1943-46, 1949-50, 1954-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 2, 1987 | 82.14 | JAN. 12, 1988 | 82.96 | APR. 13, 1988 | 78.91 | JULY 7, 1988 | 81.20 |
| OCT. 30 | 81.66 | FEB. 8 | 84.52 | MAY 6 | 79.73 | AUG. 25 | 76.33 |
| DEC. 3 | 83.34 | MAR. 2 | 80.59 | JUNE 2 | 79.58 | SEP. 30 | 76.77 |

302613091121501 LOCAL WELL NUMBER: WBR-37

OWNER: BATON ROUGE PORT AUTHORITY. (SEC. 69, T. 7S., R. 12E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 14 TO 10 IN., DEPTH 1,356 FT, SCREENED 1,235-1,288, 1,318-1,335 AND 1,340-1,356. MP 1-IN. PLUG ATOP CASING, 0.50 FT ABOVE LSD.
LSD 27 FT ABOVE NGVD.
HIGHEST WATER LEVEL 31.93 BELOW LSD, FEB. 3, 1955.
LOWEST WATER LEVEL 112.25 BELOW LSD, OCT. 18, 1974.
RECORDS AVAILABLE 1955, 1969-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| MAR. 22, 1988 | 76.11 | | | | | | |

302546091131402 LOCAL WELL NUMBER: WBR-97B

OWNER: MRS. HUGHES. (SEC. 70, T. 7S., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,200 FT, SCREENED 2,170-2,200. MP TOP EDGE OF 1/2-IN. HOLE IN CAP, 0.92 FT ABOVE LSD.
LSD 17 FT ABOVE NGVD.
HIGHEST WATER LEVEL 26.50 ABOVE LSD, JULY 22, 1964.
LOWEST WATER LEVEL 72.08 BELOW LSD, FEB. 20, 1985.
RECORDS AVAILABLE 1964-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 30, 1987 | 58.20 | MAR. 2, 1988 | 52.55 | JUNE 2, 1988 | 60.33 | | |

302652091121401 LOCAL WELL NUMBER: WBR-100A

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 68, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,700-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., DEPTH 1,888 FT, SCREENED 1,884-1,888. MP TOP EDGE OF 3/8-IN. HOLE IN CAP, 2.50 FT ABOVE LSD.
LSD 29 FT ABOVE NGVD.
HIGHEST WATER LEVEL 58.30 BELOW LSD, MAY 6, 1966.
LOWEST WATER LEVEL 129.12 BELOW LSD, DEC. 20, 1976.
RECORDS AVAILABLE 1966-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 30, 1987 | 97.64 | MAR. 2, 1988 | 95.61 | JUNE 2, 1988 | 98.99 | | |

302652091121402 LOCAL WELL NUMBER: WBR-100B

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 68, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,448 FT, SCREENED 2,444-2,448. MP TOP EDGE OF 3/8-IN. HOLE IN CAP, 2.50 FT ABOVE LSD.
LSD 29 FT ABOVE NGVD.
HIGHEST WATER LEVEL 87.97 BELOW LSD, MAY 17, 1966.
LOWEST WATER LEVEL 169.38 BELOW LSD, OCT. 23, 1980.
RECORDS AVAILABLE 1966-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 30, 1987 | 132.57 | MAR. 2, 1988 | 131.80 | JUNE 2, 1988 | 136.81 | | |

302726091145501 LOCAL WELL NUMBER: WBR-101

OWNER: U.S. GEOLOGICAL SURVEY. (IRREG. SEC. 91, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 1,367 FT, SCREENED 1,363-1,367. MP TOP OF 3/8-IN. HOLE IN CAP, 1.02 FT ABOVE LSD.
LSD 19 FT ABOVE NGVD.
HIGHEST WATER LEVEL 57.30 BELOW LSD, JUNE 2, 1988.
LOWEST WATER LEVEL 79.73 BELOW LSD, OCT. 26, 1972.
RECORDS AVAILABLE 1966-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 29, 1987 | 59.86 | MAR. 2, 1988 | 59.47 | MAR. 21, 1988 | 58.20 | JUNE 2, 1988 | 57.30 |

302806091172601 LOCAL WELL NUMBER: WBR-102A

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 7, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN., DEPTH 1,288 FT, SCREENED 1,284-1,288. MP TOP EDGE OF 3/8-IN. HOLE IN CAP, 2.35 FT ABOVE LSD.
LSD 18 FT ABOVE NGVD.
HIGHEST WATER LEVEL 43.16 BELOW LSD, MAY 6, 1966.
LOWEST WATER LEVEL 62.37 BELOW LSD, OCT. 26, 1972.
RECORDS AVAILABLE 1966-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| DEC. 8, 1987 | 46.85 | MAR. 21, 1988 | 44.81 | JUNE 2, 1988 | 44.38 | | |

302806091172602 LOCAL WELL NUMBER: WBR-102B

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 7, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN., DEPTH 2,100 FT, SCREENED 2,096-2,100. MP TOP EDGE OF 3/8-IN. HOLE IN CAP, 2.35 FT ABOVE LSD.
LSD 18 FT ABOVE NGVD.
HIGHEST WATER LEVEL 63.89 BELOW LSD, APR. 22, 1966.
LOWEST WATER LEVEL 189.22 BELOW LSD, SEP. 25, 1973.
RECORDS AVAILABLE 1966-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| DEC. 8, 1987 | 137.26 | JUNE 2, 1988 | 138.55 | | | | |

302703091133703 LOCAL WELL NUMBER: WBR-106

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 93, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 IN., DEPTH 2,017 FT, SCREENED 2,012-2,017. MP TOP EDGE OF 3/4-IN. AIR LINE (REMOVE CASING EXTENSION), 2.08 FT ABOVE LSD.
LSD 22 FT ABOVE NGVD.
HIGHEST WATER LEVEL 166.62 BELOW LSD, JULY 28, 1966.
LOWEST WATER LEVEL 288.20 BELOW LSD, NOV. 8, 1973.
RECORDS AVAILABLE 1966-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 29, 1987 | 205.65 | MAR. 2, 1988 | 194.29 | JUNE 27, 1988 | 200.47 | | |

302853091150201 LOCAL WELL NUMBER: WBR-146

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 119, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 1/2 IN., DEPTH 472 FT, SCREENED 462-472. MP TOP OF 2 1/2-IN. COLLAR, AT LSD.
LSD 25 FT ABOVE NGVD.
HIGHEST WATER LEVEL 10.54 ABOVE LSD, APR. 27, 1979.
LOWEST WATER LEVEL 20.40 BELOW LSD, JAN. 26, 1981.
RECORDS AVAILABLE 1977-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 29, 1987 | 20.35 | MAR. 2, 1988 | 3.24 | JUNE 2, 1988 | 16.62 | | |

## WEST BATON ROUGE PARISH

302559091122001 LOCAL WELL NUMBER: WBR-147

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 70, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,000-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE. DIAM 2 1/2 IN., DEPTH 1,292 FT. SCREENED 1,282-1,292. MP TOP OF 2 1/2-IN. COLLAR, 1.23 FT ABOVE LSD.
LSD 27 FT ABOVE NGVD.
HIGHEST WATER LEVEL 30.87 BELOW LSD, APR. 15, 1983.
LOWEST WATER LEVEL 45.37 BELOW LSD, MAY 8, 1980.
RECORDS AVAILABLE 1977-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 30, 1987 | 33.12 | MAR. 2, 1988 | 32.15 | JUNE 3, 1988 | 32.52 | | |

302702091185101 LOCAL WELL NUMBER: WBR-148

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 23, T. 7S., R. 11E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE. DIAM 2 1/2 IN., DEPTH 1,304 FT. SCREENED 1,294-1,304. MP TOP OF 2 1/2-IN. CASING, AT LSD.
LSD 14 FT ABOVE NGVD.
HIGHEST WATER LEVEL 38.90 BELOW LSD, JAN. 6, 1987.
LOWEST WATER LEVEL 53.42 BELOW LSD, JAN. 18, 1979.
RECORDS AVAILABLE 1978-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| OCT. 30, 1987 | 40.51 | MAR. 2, 1988 | 40.07 | JUNE 27, 1988 | 39.41 | | |

302958091124801 LOCAL WELL NUMBER: WBR-160

OWNER: WEST BATON ROUGE GAS AND WATER SYSTEM. (SEC. 50, T. 6S., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("800-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE. DIAM 4 IN., DEPTH 840 FT. SCREENED 830-840. MP 1/2-IN. HOLE IN TOP OF CAP, 2.40 FT ABOVE LSD.
LSD 26 FT ABOVE NGVD.
HIGHEST WATER LEVEL 47.10 BELOW LSD, JULY 15, 1980.
LOWEST WATER LEVEL 112.70 BELOW LSD, OCT. 9, 1981.
RECORDS AVAILABLE 1980-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| JAN. 12, 1988 | 62.32 | MAR. 2, 1988 | 62.80 | JUNE 2, 1988 | 67.95 | | |

302958091124802 LOCAL WELL NUMBER: WBR-161

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 50, T. 6S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE. DIAM 2 IN. DEPTH 650 FT. SCREENED 640-650. MP HOLE IN TOP OF CAP, 2.00 FT ABOVE LSD.
LSD 26 FT ABOVE NGVD.
HIGHEST WATER LEVEL 32.01 BELOW LSD, JULY 1, 1987.
LOWEST WATER LEVEL 63.75 BELOW LSD, SEP. 19, 1979.
RECORDS AVAILABLE 1979-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| DEC. 15, 1987 | 38.00 | JAN. 12, 1988 | 33.67 | MAR. 2, 1988 | 32.06 | JUNE 2, 1988 | 34.51 |

## WEST FELICIANA PARISH

305643091341201 LOCAL WELL NUMBER: WF-22D

OWNER: LOUISIANA STATE PENITENTIARY. (SEC. 53, T. 1S., R. 5W.) DRILLED UNUSED ARTESIAN WELL IN ZONE 3 AQUIFER OF MIOCENE AGE. DIAM 12 TO 8 IN., DEPTH 907 FT. SCREENED 847-907. MP (FLOWING CONDITIONS) TOP OF IRON COVER PLATE, 0.50 FT ABOVE LSD. MP (NONFLOWING CONDITIONS) TOP OF 3/4-IN. 1 1/2-IN. BUSHING, 0.69 FT ABOVE LSD.
LSD 60 FT ABOVE NGVD.
HIGHEST WATER LEVEL 15.90 ABOVE LSD, APR. 3, 1959.
LOWEST WATER LEVEL 10.64 BELOW LSD, NOV. 10, 1987.
RECORDS AVAILABLE 1956, 1958-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| NOV. 10, 1987 | 10.64 | JULY 12, 1988 | 10.20 | | | | |

305633091341601 LOCAL WELL NUMBER: WF-40

OWNER: LOUISIANA STATE PENITENTIARY. (SEC. 24, T. 1S., R. 5W.) DRILLED INSTITUTIONAL ARTESIAN WELL IN ZONE 2 AQUIFER OF PLIOCENE-MIOCENE AGE. DIAM 12 IN., REPORTED DEPTH 632 FT. SCREENED 549-632. MP TOP INSIDE EDGE OF 2-IN. ELBOW ATOP CASING, 2.85 FT ABOVE LSD.
LSD 50 FT ABOVE NGVD.
HIGHEST WATER LEVEL 23.90 ABOVE LSD, MAY 8, 1958.
LOWEST WATER LEVEL 7.46 BELOW LSD, NOV. 10, 1987.
RECORDS AVAILABLE 1956, 1958-59, 1963-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| NOV. 10, 1987 | 7.46 | JULY 12, 1988 | 6.59 | | | | |

304935091221001 LOCAL WELL NUMBER: WF-188

OWNER: U.S. GEOLOGICAL SURVEY. (SEC. 69, T. 2S., R. 3W.) DRILLED OBSERVATION WATER-TABLE WELL IN UPLAND TERRACE DEPOSITS OF QUATERNARY AGE. DIAM 1 1/4 IN., DEPTH 55 FT. SCREENED 52-55. MP TOP OF 1 1/4-IN. CASING, 0.20 FT ABOVE LSD.
LSD 117 FT ABOVE NGVD.
HIGHEST WATER LEVEL 12.44 BELOW LSD, APR. 28, 1980.
LOWEST WATER LEVEL 16.68 BELOW LSD, JULY 9, 1963.
RECORDS AVAILABLE 1960-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| NOV. 10, 1987 | 14.23 | JULY 12, 1988 | 14.03 | | | | |

304704091223801 LOCAL WELL NUMBER: WF-222

OWNER: TOWN OF ST. FRANCISVILLE. (SEC. 68, T. 3S., R. 3W.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE. DIAM 12 IN., DEPTH 1,526 FT. SCREENED 1,446-1,526. MP PLUG ON FLANGE, 1.23 FT ABOVE LSD.
LSD 140 FT ABOVE NGVD.
HIGHEST WATER LEVEL 59.64 BELOW LSD, APR. 16, 1962.
LOWEST WATER LEVEL 133.95 BELOW LSD, JAN. 27, 1982.
RECORDS AVAILABLE 1961-CURRENT YEAR.

| DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL | DATE | WATER LEVEL |
|---|---|---|---|---|---|---|---|
| NOV. 10, 1987 | 111.90 | JULY 12, 1988 | 114.18 | | | | |

+ Above land-surface datum.
A Well being pumped.
B Well pumped recently.
H Tape measurement (recorder).
J Recorder measurement for a time other than noon.
R Measurement reported.

## COMPLETE CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1987 TO SEPTEMBER 1988

[Additional information for most wells may be found in the minor elements, pesticide analyses, or organic chemical analyses tables. <, Actual value is known to be less than the value shown; see end of miscellaneous chemical analyses table for explanation of geologic unit (aquifer) codes]

| WELL NO. | LOCATION T. | R. | SEC. | STATION NUMBER | GEO-LOGIC UNIT | DEPTH OF WELL (FEET) | DATE OF SAMPLE | SPE-CIFIC CON-DUCT-ANCE, FIELD (US/CM) | PH, FIELD (STAND-ARD UNITS) | WATER TEMPER-ATURE (DEG C) |
|---|---|---|---|---|---|---|---|---|---|---|
| ACADIA PARISH | | | | | | | | | | |
| AC- 452 | 10S | 1W | 34 | 300742092265901 | 112CHCTU | 246 | 05-11-88 | 803 | 7.60 | 23.0 |
| ASCENSION PARISH | | | | | | | | | | |
| AN- 267 | 9S | 3E | 16 | 301544090543901 | 112GZNO | 488 | 06-07-88 | 291 | 7.60 | 25.0 |
| AVOYELLES PARISH | | | | | | | | | | |
| AV- 470 | 1N | 4E | 58 | 310242092022303 | 112PRIR | 68 | 12-02-87 | 210 | 6.10 | -- |
| AV- 471A | 1N | 4E | 58 | 310242092022302 | 112PRIR | 68 | 11-30-87 | 213 | 6.10 | -- |
| AV- 471B | 1N | 4E | 58 | 310242092022301 | 112PRIR | 104 | 10-21-87 | a374 | 6.20 | 20.0 |
| AV- 472A | 1N | 4E | 28 | 310124092042002 | 112PRIR | 71 | 10-28-87 | a916 | 6.70 | 21.0 |
| AV- 472B | 1N | 4E | 28 | 310124092042001 | 112PRIR | 104 | 10-27-87 | a881 | 6.80 | 20.5 |
| AV- 473A | 1N | 4E | 10 | 310343092043302 | 112PRIR | 70 | 11-19-87 | 441 | 6.60 | 21.0 |
| AV- 473B | 1N | 4E | 10 | 310343092043301 | 112PRIR | 105 | 10-29-87 | a593 | 6.40 | 21.0 |
| AV- 474A | 1N | 4E | 9 | 310429092043702 | 112PRIR | 67 | 12-04-87 | 493 | 6.60 | 21.0 |
| AV- 474B | 1N | 4E | 9 | 310429092043701 | 112PRIR | 105 | 12-04-87 | 665 | 6.60 | 20.5 |
| BEAUREGARD PARISH | | | | | | | | | | |
| BE- 378 | 7S | 8W | 19 | 302553093135002 | 112CHCT | 172 | 05-11-88 | 323 | 6.20 | 23.5 |
| BOSSIER PARISH | | | | | | | | | | |
| BO- 275 | 19N | 12W | 34 | 3[illegible]601093354102 | 124WLCX | 308 | 08-16-88 | 660 | 7.85 | 22.0 |
| CALCASIEU PARISH | | | | | | | | | | |
| CU- 696 | 9S | 9W | 16 | 301705093171401 | 112CHCT | 494 | 08-08-88 | 288 | 6.50 | 24.0 |
| CU- 771 | 10S | 9W | 5 | 301336093183002 | 11202LC | 241 | 06-14-88 | 434 | a8.18 | -- |
| CALDWELL PARISH | | | | | | | | | | |
| CA- 129 | 13N | 4E | 17 | 320616092044701 | 124CCKF | 266 | 08-18-88 | 337 | 5.75 | 21.0 |
| CAMERON PARISH | | | | | | | | | | |
| CN- 92 | 12S | 7W | 12 | 300104093015601 | 112CHCTU | 443 | 06-15-88 | 1710 | 7.90 | -- |
| DE SOTO PARISH | | | | | | | | | | |
| DS- 327 | 12N | 13W | 4 | 320259093420001 | 124WLCX | 243 | 08-15-88 | 1060 | 7.28 | 22.0 |
| EVANGELINE PARISH | | | | | | | | | | |
| EV- 749 | 4S | 1W | 8 | 304316092300701 | 112CHCT | 144 | 03-30-88 | 263 | 6.70 | 20.0 |
| FRANKLIN PARISH | | | | | | | | | | |
| FR- 368 | 14N | 7E | 26 | 321011091431701 | 112MRVA | 79 | 08-26-88 | 1210 | 6.78 | 20.0 |
| LAFAYETTE PARISH | | | | | | | | | | |
| LF- 520 | 9S | 5E | 135 | 301358092002401 | 112CHCTU | 348 | 08-01-88 | 355 | 6.70 | 21.5 |
| LINCOLN PARISH | | | | | | | | | | |
| L- 32 | 18N | 2W | 19 | 323138092365201 | 124SPRT | 652 | 08-17-88 | 344 | 8.36 | 25.0 |
| LIVINGSTON PARISH | | | | | | | | | | |
| LI- 85 | 9S | 5E | 16 | 301532090430001 | 112SLBR | 405 | 05-09-88 | 590 | 7.70 | 24.0 |
| LI- 185 | 7S | 3E | 38 | 302724090565801 | 12224BR | 2611 | 06-07-88 | 265 | 8.50 | 34.0 |
| MADISON PARISH | | | | | | | | | | |
| MA- 31 | 16N | 12E | 31 | 322358091110301 | 112MRVA | 130 | 08-26-88 | 725 | 6.95 | 20.0 |

a Lab measurement.

| WELL NO. | LOCATION T. | LOCATION R. | LOCATION SEC. | DATE OF SAMPLE | COLOR (PLAT-INUM-COBALT UNITS) | HARD-NESS, TOTAL (MG/L AS CACO3) | HARD-NESS, NONCARB WH WAT TOT FLD MG/L AS CACO3 | CALCIUM, DIS-SOLVED (MG/L AS CA) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) | SODIUM, DIS-SOLVED (MG/L AS NA) | POTAS-SIUM, DIS-SOLVED (MG/L AS K) | ALKA-LINITY, FIELD (MG/L AS CACO3) | SULFATE, DIS-SOLVED (MG/L AS SO4) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ACADIA PARISH--CONTINUED | | | | | | | | | | | | | |
| AC- 452 | 10S | 1W | 34 | 05-11-88 | 5 | 180 | 0 | 46 | 15 | 120 | 3.3 | 324 | 9.7 |
| ASCENSION PARISH--CONTINUED | | | | | | | | | | | | | |
| AN- 267 | 9S | 3E | 16 | 06-07-88 | 5 | 36 | 0 | 8.5 | 3.5 | 55 | 1.5 | 139 | 9.0 |
| AVOYELLES PARISH--CONTINUED | | | | | | | | | | | | | |
| AV- 470 | 1N | 4E | 58 | 12-02-87 | 0 | 56 | 0 | 14 | 5.0 | 20 | 2.0 | 74 | 11 |
| AV- 471A | 1N | 4E | 58 | 11-30-87 | 0 | 62 | 0 | 15 | 6.0 | 20 | 1.9 | 75 | 12 |
| AV- 471B | 1N | 4E | 58 | 10-21-87 | 0 | 120 | 0 | 25 | 14 | 30 | 1.4 | 121 | 11 |
| AV- 472A | 1N | 4E | 28 | 10-28-87 | 0 | 420 | 0 | 120 | 30 | 50 | 4.1 | 436 | 8.2 |
| AV- 472B | 1N | 4E | 28 | 10-27-87 | 40 | 400 | 0 | 100 | 36 | 45 | 3.5 | 479 | 0.6 |
| AV- 473A | 1N | 4E | 10 | 11-19-87 | 0 | 110 | 0 | 26 | 12 | 50 | 1.5 | 146 | 19 |
| AV- 473B | 1N | 4E | 10 | 10-29-87 | 0 | 200 | 0 | 42 | 23 | 50 | 1.5 | 228 | 18 |
| AV- 474A | 1N | 4E | 9 | 12-04-87 | 0 | 150 | 0 | 34 | 15 | 52 | 2.0 | 176 | 13 |
| AV- 474B | 1N | 4E | 9 | 12-04-87 | 0 | 240 | 1 | 55 | 24 | 53 | 1.8 | 235 | 35 |
| BEAUREGARD PARISH--CONTINUED | | | | | | | | | | | | | |
| BE- 378 | 7S | 8W | 19 | 05-11-88 | 100 | 64 | 0 | 15 | 6.5 | 39 | 1.9 | 92 | 9.5 |
| BOSSIER PARISH--CONTINUED | | | | | | | | | | | | | |
| BO- 275 | 19N | 12W | 34 | 08-16-88 | 0 | 29 | 0 | 8.0 | 2.1 | 130 | 3.6 | 258 | -- |
| CALCASIEU PARISH--CONTINUED | | | | | | | | | | | | | |
| CU- 696 | 9S | 9W | 16 | 08-08-88 | 15 | 78 | 0 | 21 | 6.2 | 35 | 2.4 | 114 | 7.2 |
| CU- 771 | 10S | 9W | 5 | 06-14-88 | 5 | 100 | 0 | 27 | 8.5 | 60 | 1.9 | 204 | 8.6 |
| CALDWELL PARISH--CONTINUED | | | | | | | | | | | | | |
| CA- 129 | 13N | 4E | 17 | 08-18-88 | 0 | 89 | 4 | 21 | 8.9 | 24 | 3.2 | 85 | -- |
| CAMERON PARISH--CONTINUED | | | | | | | | | | | | | |
| CN- 92 | 12S | 7W | 12 | 06-15-88 | 5 | 200 | 0 | 56 | 15 | 270 | 3.6 | 280 | 15 |
| DE SOTO PARISH--CONTINUED | | | | | | | | | | | | | |
| DS- 327 | 12N | 13W | 4 | 08-15-88 | 0 | 72 | 0 | 20 | 5.3 | 230 | 4.6 | 273 | -- |
| EVANGELINE PARISH--CONTINUED | | | | | | | | | | | | | |
| EV- 749 | 4S | 1W | 8 | 03-30-88 | 60 | 57 | 0 | 12 | 6.5 | 30 | 1.1 | 95 | 7.9 |
| FRANKLIN PARISH--CONTINUED | | | | | | | | | | | | | |
| FR- 368 | 14N | 7E | 26 | 08-26-88 | 0 | 350 | 78 | 90 | 30 | 120 | 3.2 | 271 | 30 |
| LAFAYETTE PARISH--CONTINUED | | | | | | | | | | | | | |
| LF- 520 | 9S | 5E | 135 | 08-01-88 | 0 | 180 | 9 | 57 | 9.9 | 11 | 1.5 | 171 | 16 |
| LINCOLN PARISH--CONTINUED | | | | | | | | | | | | | |
| L- 32 | 18N | 2W | 19 | 08-17-88 | 5 | 3 | 0 | 1.2 | 0.1 | 70 | 0.7 | 141 | -- |
| LIVINGSTON PARISH--CONTINUED | | | | | | | | | | | | | |
| LI- 85 | 9S | 5E | 16 | 05-09-88 | 5 | 60 | 0 | 15 | 5.5 | 100 | 1.6 | 140 | 8.9 |
| LI- 185 | 7S | 3E | 38 | 06-07-88 | 0 | 9 | 0 | 2.4 | .8 | 65 | .6 | 134 | 12 |
| MADISON PARISH--CONTINUED | | | | | | | | | | | | | |
| MA- 31 | 16N | 12E | 31 | 08-26-88 | 10 | 360 | 0 | 100 | 26 | 26 | 2.5 | 400 | 2.7 |

| WELL NO. | LOCATION | | | DATE OF SAMPLE | CHLORIDE, DISSOLVED (MG/L AS CL) | FLUORIDE, DISSOLVED (MG/L AS F) | SILICA, DISSOLVED (MG/L AS SIO2) | SOLIDS, RESIDUE AT 180 DEG. C, DISSOLVED (MG/L) | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) | NITROGEN, NO2+NO3, DISSOLVED (MG/L AS N) | IRON, DISSOLVED (UG/L AS FE) | MANGANESE, DISSOLVED (UG/L AS MN) | CARBON, ORGANIC, DISSOLVED (MG/L AS C) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | T. | R. | SEC. | | | | | | | | | | |
| ACADIA PARISH--CONTINUED | | | | | | | | | | | | | |
| AC- 452 | 10S | 1W | 34 | 05-11-88 | 49 | <0.2 | -- | 486 | 437 | <0.02 | 50 | 32 | 1.2 |
| ASCENSION PARISH--CONTINUED | | | | | | | | | | | | | |
| AN- 267 | 9S | 3E | 16 | 06-07-88 | 9.2 | <.2 | -- | 202 | 170 | <.02 | 160 | 130 | 0.7 |
| AVOYELLES PARISH--CONTINUED | | | | | | | | | | | | | |
| AV- 470 | 1N | 4E | 58 | 12-02-87 | 7.4 | .2 | 46 | 126 | 150 | E2.1 | <8 | <20 | -- |
| AV- 471A | 1N | 4E | 58 | 11-30-87 | 7.9 | .2 | 47 | 159 | 155 | E2.0 | <8 | <20 | -- |
| AV- 471B | 1N | 4E | 58 | 10-21-87 | 37 | .2 | 49 | 238 | 240 | E.23 | 61 | 20 | -- |
| AV- 472A | 1N | 4E | 28 | 10-28-87 | 40 | .2 | 20 | 522 | 534 | E.05 | <8 | 260 | -- |
| AV- 472B | 1N | 4E | 28 | 10-27-87 | 29 | <.2 | 31 | -- | -- | E.02 | 9500 | 170 | -- |
| AV- 473A | 1N | 4E | 10 | 11-19-87 | 35 | .2 | 43 | 268 | 274 | E1.8 | <8 | <20 | -- |
| AV- 473B | 1N | 4E | 10 | 10-29-87 | 41 | .2 | 40 | 340 | 352 | E.45 | <8 | 52 | -- |
| AV- 474A | 1N | 4E | 9 | 12-04-87 | 38 | .4 | 21 | 296 | 281 | E.59 | <8 | <20 | -- |
| AV- 474B | 1N | 4E | 9 | 12-04-87 | 46 | .3 | 39 | 399 | 395 | E1.3 | <8 | 44 | -- |
| BEAUREGARD PARISH--CONTINUED | | | | | | | | | | | | | |
| BE- 378 | 7S | 8W | 19 | 05-11-88 | 38 | <.2 | -- | 219 | 168 | <.02 | 3100 | 240 | .9 |
| BOSSIER PARISH--CONTINUED | | | | | | | | | | | | | |
| BO- 275 | 19N | 12W | 34 | 08-16-88 | 44 | .4 | 14 | 387 | -- | <.02 | 40 | 40 | -- |
| CALCASIEU PARISH--CONTINUED | | | | | | | | | | | | | |
| CU- 696 | 9S | 9W | 16 | 08-08-88 | 31 | .2 | 57 | 212 | 231 | <.02 | 2500 | 290 | .9 |
| CU- 771 | 10S | 9W | 5 | 06-14-88 | 17 | <.2 | -- | 249 | 246 | <.02 | 10 | 60 | 1.2 |
| CALDWELL PARISH--CONTINUED | | | | | | | | | | | | | |
| CA- 129 | 13N | 4E | 17 | 08-18-88 | 18 | .5 | 61 | 238 | -- | <.02 | 6200 | 220 | a1.6 |
| CAMERON PARISH--CONTINUED | | | | | | | | | | | | | |
| CN- 92 | 12S | 7W | 12 | 06-15-88 | 360 | <.2 | -- | 918 | 888 | <.02 | 80 | 180 | 1.6 |
| DE SOTO PARISH--CONTINUED | | | | | | | | | | | | | |
| DS- 327 | 12N | 13W | 4 | 08-15-88 | 97 | .4 | 18 | 666 | -- | .03 | 220 | 40 | b1.2 |
| EVANGELINE PARISH--CONTINUED | | | | | | | | | | | | | |
| EV- 749 | 4S | 1W | 8 | 03-30-88 | 24 | <.2 | -- | 162 | 140 | -- | 1900 | 76 | .8 |
| FRANKLIN PARISH--CONTINUED | | | | | | | | | | | | | |
| FR- 368 | 14N | 7E | 26 | 08-26-88 | 260 | .4 | 27 | 678 | 672 | <.02 | 8800 | 710 | 1.3 |
| LAFAYETTE PARISH--CONTINUED | | | | | | | | | | | | | |
| LF- 520 | 9S | 5E | 135 | 08-01-88 | 12 | <.2 | 47 | 253 | 258 | <.02 | 1600 | 660 | 1.6 |
| LINCOLN PARISH--CONTINUED | | | | | | | | | | | | | |
| L- 32 | 18N | 2W | 19 | 08-17-88 | 11 | .5 | 21 | 213 | -- | <.02 | 20 | <10 | a.7 |
| LIVINGSTON PARISH--CONTINUED | | | | | | | | | | | | | |
| LI- 85 | 9S | 5E | 16 | 05-09-88 | 100 | <.2 | -- | 355 | 315 | <.02 | 100 | 160 | .6 |
| LI- 185 | 7S | 3E | 38 | 06-07-88 | 3.0 | <.2 | -- | 181 | 164 | <.02 | 10 | <10 | 1.6 |
| MADISON PARISH--CONTINUED | | | | | | | | | | | | | |
| MA- 31 | 16N | 12E | 31 | 08-26-88 | 7.7 | .5 | 33 | -- | -- | <.02 | 11000 | 1100 | 1.9 |

a Dissolved organic carbon sample collected 9/1/88.
b Dissolved organic carbon sample collected 8/30/88.

E Estimated.

| WELL NO. | LOCATION T. | R. | SEC. | STATION NUMBER | GEO-LOGIC UNIT | DEPTH OF WELL (FEET) | DATE OF SAMPLE | SPE-CIFIC CON-DUCT-ANCE, FIELD (US/CM) | PH, FIELD (STAND-ARD UNITS) | WATER TEMPER-ATURE (DEG C) |
|---|---|---|---|---|---|---|---|---|---|---|
| MOREHOUSE PARISH | | | | | | | | | | |
| MO- 363 | 21N | 5E | 25 | 324647091543805 | 112UPTC | 132 | 08-02-88 | a707 | 6.00 | 21.0 |
| MO- 364 | 21N | 5E | 25 | 324654091545501 | 112UPTC | 132 | 08-25-88 | 350 | 5.95 | 20.5 |
| ORLEANS PARISH | | | | | | | | | | |
| OR- 195 | 12S | 12E | 38 | 300054090012601 | 112GZNO | 658 | 08-09-88 | 971 | 8.00 | 25.0 |
| OUACHITA PARISH | | | | | | | | | | |
| OU- 467 | 18N | 3E | 43 | 323044092092202 | 124SPRT | 424 | 08-18-88 | 568 | 8.90 | 22.5 |
| POINTE COUPEE PARISH | | | | | | | | | | |
| PC- 110 | 5S | 10E | 9 | 303944091251001 | 12228BR | 2208 | 12-30-87 | a437 | 8.80 | 23.5 |
| RAPIDES PARISH | | | | | | | | | | |
| R- 910 | 2N | 3W | 14 | 310841092382801 | 112UPTC | 142 | 08-01-88 | 80 | 6.20 | 20.5 |
| R- 932 | 2N | 3W | 22 | 310819092394002 | 122WMCK | 466 | 08-19-88 | 488 | 7.53 | 23.0 |
| R-1210 | 2N | 2W | 19 | 310810092364304 | 122CRNB | 2036 | 08-19-88 | 816 | 8.10 | 37.0 |
| RICHLAND PARISH | | | | | | | | | | |
| RI- 126 | 18N | 9E | 13 | 323308091294801 | 124CCKF | 426 | 08-25-88 | 900 | 7.95 | 22.5 |
| ST. HELENA PARISH | | | | | | | | | | |
| SH- 55 | 3S | 4E | 50 | 304530090500201 | 112UPTC | 180 | 08-29-88 | 43 | 5.20 | 20.0 |
| ST. LANDRY PARISH | | | | | | | | | | |
| SL- 392 | 7S | 4E | 66 | 302455092032001 | 112CHCT | 126 | 03-08-88 | 264 | 6.60 | 21.0 |
| ST. MARTIN PARISH | | | | | | | | | | |
| SMN- 109 | 9S | 7E | 36 | 301304091124002 | 112CHCTU | 375 | 07-20-88 | 1160 | 7.20 | 22.0 |
| ST. MARY PARISH | | | | | | | | | | |
| SM- 57U | 14S | 8E | 27 | 294749091402301 | 112CHCTU | 638 | 03-28-88 | 1130 | 7.80 | 22.5 |
| ST. TAMMANY PARISH | | | | | | | | | | |
| ST- 532 | 8S | 12E | 43 | 302052090010201 | 121BGBC | 1519 | 08-15-88 | 327 | 8.60 | 24.0 |
| TANGIPAHOA PARISH | | | | | | | | | | |
| TA- 286 | 1S | 7E | 29 | 305604090312001 | 120KNTD | 640 | 07-26-88 | 43 | 6.00 | 23.0 |
| TA- 520 | 3S | 8E | 46 | 304709090264101 | 112UPTC | 135 | 08-17-88 | 20 | 5.00 | 21.0 |
| VERMILION PARISH | | | | | | | | | | |
| VE- 650 | 13S | 4E | 37 | 295341092055401 | 112CHCT | 205 | 06-14-88 | 502 | 7.10 | 22.5 |
| WASHINGTON PARISH | | | | | | | | | | |
| WA- 107 | 2S | 12E | 16 | 305217089595001 | 12102FP | 457 | 08-16-88 | 44 | 6.40 | 22.5 |
| WEBSTER PARISH | | | | | | | | | | |
| WB- 241 | 23N | 11W | 14 | 325938093275301 | 124SPRT | 408 | 08-17-88 | 715 | 7.02 | 21.5 |
| WB- 269 | 19N | 9W | 28 | 323637093172401 | 124SPRT | 280 | 08-16-88 | 175 | 5.70 | 20.5 |

a Lab measurement.

| WELL NO. | LOCATION T. | R. | SEC. | DATE OF SAMPLE | COLOR (PLAT-INUM-COBALT UNITS) | HARD-NESS, TOTAL (MG/L AS CACO3) | HARD-NESS, NONCARB WH WAT TOT FLD MG/L AS CACO3 | CALCIUM, DIS-SOLVED (MG/L AS CA) | MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) | SODIUM, DIS-SOLVED (MG/L AS NA) | POTAS-SIUM, DIS-SOLVED (MG/L AS K) | ALKA-LINITY, FIELD (MG/L AS CACO3) | SULFATE, DIS-SOLVED (MG/L AS SO4) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MOREHOUSE PARISH--CONTINUED | | | | | | | | | | | | | |
| MO- 363 | 21N | 5E | 25 | 08-02-88 | 0 | 120 | 22 | 31 | 10 | 42 | 1.8 | 97 | 37 |
| MO- 364 | 21N | 5E | 25 | 08-25-88 | 0 | 110 | 52 | 27 | 10 | 25 | 1.6 | 57 | 15 |
| ORLEANS PARISH--CONTINUED | | | | | | | | | | | | | |
| OR- 195 | 12S | 12E | 38 | 08-09-88 | 120 | 19 | 0 | 4.2 | 2.1 | 210 | 4.1 | 359 | 7.6 |
| OUACHITA PARISH--CONTINUED | | | | | | | | | | | | | |
| OU- 467 | 18N | 3E | 43 | 08-18-88 | 40 | 2 | 0 | 0.8 | 0.1 | 130 | 1.4 | 270 | -- |
| POINTE COUPEE PARISH--CONTINUED | | | | | | | | | | | | | |
| PC- 110 | 5S | 10E | 9 | 12-30-87 | 15 | 3 | 0 | 9 | .1 | 120 | 0.7 | 242 | 6.8 |
| RAPIDES PARISH--CONTINUED | | | | | | | | | | | | | |
| R- 910 | 2N | 3W | 14 | 08-01-88 | 0 | 26 | 0 | 7.0 | 2.0 | 8.9 | 1.2 | 32 | 6.8 |
| R- 932 | 2N | 3W | 22 | 08-19-88 | 0 | 21 | 0 | 7.0 | .8 | 120 | 1.7 | 236 | -- |
| R-1210 | 2N | 2W | 19 | 08-19-88 | 0 | 4 | 0 | 1.3 | .1 | 200 | 2.0 | 300 | -- |
| RICHLAND PARISH--CONTINUED | | | | | | | | | | | | | |
| RI- 126 | 18N | 9E | 13 | 08-25-88 | 5 | 6 | 0 | 1.8 | .4 | 230 | 2.0 | 374 | 0.7 |
| ST. HELENA PARISH--CONTINUED | | | | | | | | | | | | | |
| SH- 55 | 3S | 4E | 50 | 08-29-88 | 0 | 7 | 0 | 1.7 | .6 | 5.6 | 1.2 | 8 | 3.4 |
| ST. LANDRY PARISH--CONTINUED | | | | | | | | | | | | | |
| SL- 392 | 7S | 4E | 66 | 03-08-88 | 20 | 100 | 0 | 28 | 8.0 | 13 | 1.5 | 137 | 2.8 |
| ST. MARTIN PARISH--CONTINUED | | | | | | | | | | | | | |
| SMN- 109 | 9S | 7E | 36 | 07-20-88 | 10 | 240 | 0 | 59 | 22 | 170 | 2.8 | 476 | .6 |
| ST. MARY PARISH--CONTINUED | | | | | | | | | | | | | |
| SM- 57U | 14S | 8E | 27 | 03-28-88 | 0 | 280 | 0 | 67 | 27 | 120 | 3.1 | 304 | 14 |
| ST. TAMMANY PARISH--CONTINUED | | | | | | | | | | | | | |
| ST- 532 | 8S | 12E | 43 | 08-15-88 | 0 | 3 | 0 | 1.0 | .1 | 80 | .4 | 159 | 1.4 |
| TANGIPAHOA PARISH--CONTINUED | | | | | | | | | | | | | |
| TA- 286 | 1S | 7E | 29 | 07-26-88 | 0 | 4 | 0 | 1.6 | .1 | 4.5 | 1.8 | 11 | 6.5 |
| TA- 520 | 3S | 8E | 46 | 08-17-88 | 0 | 5 | 2 | 1.1 | .5 | 2.1 | .3 | 3 | -- |
| VERMILION PARISH--CONTINUED | | | | | | | | | | | | | |
| VE- 650 | 13S | 4E | 37 | 06-14-88 | 20 | 220 | 0 | 58 | 18 | 31 | 2.1 | 279 | 7.2 |
| WASHINGTON PARISH--CONTINUED | | | | | | | | | | | | | |
| WA- 107 | 2S | 12E | 16 | 08-16-88 | 0 | 12 | 0 | 3.6 | .8 | 2.9 | 1.8 | 15 | 6.7 |
| WEBSTER PARISH--CONTINUED | | | | | | | | | | | | | |
| WB- 241 | 23N | 11W | 14 | 08-17-88 | 0 | 46 | 0 | 12 | 3.9 | 140 | 4.1 | 239 | -- |
| WB- 269 | 19N | 9W | 28 | 08-16-88 | 0 | 28 | 0 | 7.2 | 2.4 | 23 | 3.1 | 32 | -- |

| WELL NO. | LOCATION T. | LOCATION R. | LOCATION SEC. | DATE OF SAMPLE | CHLORIDE, DISSOLVED (MG/L AS CL) | FLUORIDE, DISSOLVED (MG/L AS F) | SILICA, DISSOLVED (MG/L AS SIO2) | SOLIDS, RESIDUE AT 180 DEG. C, DISSOLVED (MG/L) | SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) | NITROGEN, NO2+NO3, DISSOLVED (MG/L AS N) | IRON, DISSOLVED (UG/L AS FE) | MANGANESE, DISSOLVED (UG/L AS MN) | CARBON, ORGANIC, DISSOLVED (MG/L AS C) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MOREHOUSE PARISH--CONTINUED | | | | | | | | | | | | | |
| MO- 363 | 21N | 5E | 25 | 08-02-88 | 44 | <0.2 | 55 | 283 | 288 | 2.1 | 130 | 30 | 1.1 |
| MO- 364 | 21N | 5E | 25 | 08-25-88 | 57 | .4 | 55 | 253 | 233 | 1.8 | 50 | 20 | 0.7 |
| ORLEANS PARISH--CONTINUED | | | | | | | | | | | | | |
| OR- 195 | 12S | 12E | 38 | 08-09-88 | 88 | 1.3 | 26 | 563 | 559 | 0.06 | 140 | 30 | 1.3 |
| OUACHITA PARISH--CONTINUED | | | | | | | | | | | | | |
| OU- 467 | 18N | 3E | 43 | 08-18-88 | 19 | .7 | 12 | 333 | -- | <.02 | 20 | <10 | a2.1 |
| POINTE COUPEE PARISH--CONTINUED | | | | | | | | | | | | | |
| PC- 110 | 5S | 10E | 9 | 12-30-87 | 5.8 | .6 | 23 | 298 | 303 | E.02 | 40 | 10 | 48 |
| RAPIDES PARISH--CONTINUED | | | | | | | | | | | | | |
| R- 910 | 2N | 3W | 14 | 08-01-88 | 5.7 | <.2 | 41 | 72 | 92 | .15 | <10 | <10 | 1.1 |
| R- 932 | 2N | 3W | 22 | 08-19-88 | 14 | 1.1 | 17 | 288 | -- | <.02 | 30 | 40 | b.5 |
| R-1210 | 2N | 2W | 19 | 08-19-88 | 76 | 1.3 | 60 | 502 | -- | <.02 | 20 | <10 | b.5 |
| RICHLAND PARISH--CONTINUED | | | | | | | | | | | | | |
| RI- 126 | 18N | 9E | 13 | 08-25-88 | 72 | .4 | 16 | 530 | 548 | <.02 | 30 | <10 | 1.3 |
| ST. HELENA PARISH--CONTINUED | | | | | | | | | | | | | |
| SH- 55 | 3S | 4E | 50 | 08-29-88 | 5.2 | .3 | 14 | 33 | 38 | .02 | 310 | 290 | .9 |
| ST. LANDRY PARISH--CONTINUED | | | | | | | | | | | | | |
| SL- 392 | 7S | 4E | 66 | 03-08-88 | 7.7 | .1 | -- | 156 | 150 | <.02 | 6900 | 240 | -- |
| ST. MARTIN PARISH--CONTINUED | | | | | | | | | | | | | |
| SMN- 109 | 9S | 7E | 36 | 07-20-88 | 110 | <.2 | -- | 677 | 651 | <.02 | 1100 | 120 | -- |
| ST. MARY PARISH--CONTINUED | | | | | | | | | | | | | |
| SM- 57U | 14S | 8E | 27 | 03-28-88 | 180 | <.2 | -- | 574 | 593 | -- | 20 | 64 | 1.9 |
| ST. TAMMANY PARISH--CONTINUED | | | | | | | | | | | | | |
| ST- 532 | 8S | 12E | 43 | 08-15-88 | 2.2 | .4 | 26 | 214 | 207 | <.02 | <10 | 10 | 1.0 |
| TANGIPAHOA PARISH--CONTINUED | | | | | | | | | | | | | |
| TA- 286 | 1S | 7E | 29 | 07-26-88 | 2.7 | <.2 | -- | 33 | 24 | .02 | <10 | 20 | 1.0 |
| TA- 520 | 3S | 8E | 46 | 08-17-88 | 2.9 | .2 | -- | 14 | -- | .35 | 10 | 20 | .4 |
| VERMILION PARISH--CONTINUED | | | | | | | | | | | | | |
| VE- 650 | 13S | 4E | 37 | 06-14-88 | 8.9 | <.2 | -- | 286 | 295 | <.02 | 2000 | 330 | 2.9 |
| WASHINGTON PARISH--CONTINUED | | | | | | | | | | | | | |
| WA- 107 | 2S | 12E | 16 | 08-16-88 | 2.4 | .2 | 18 | 37 | 45 | <.02 | 30 | 20 | -- |
| WEBSTER PARISH--CONTINUED | | | | | | | | | | | | | |
| WB- 241 | 23N | 11W | 14 | 08-17-88 | 66 | .5 | 15 | 410 | -- | <.02 | 150 | 10 | a.8 |
| WB- 269 | 19N | 9W | 28 | 08-16-88 | 21 | .4 | 26 | 115 | -- | 1.1 | 100 | 100 | a.4 |

a Dissolved organic carbon sample collected 9/1/88.
b Dissolved organic carbon sample collected 9/2/88.

E Estimated.

## PARTIAL CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1987 TO SEPTEMBER 1988

[See end of miscellaneous chemical analyses table for explanation of geologic unit (aquifer) codes]

| WELL NO. | LOCATION T. | LOCATION R. | LOCATION SEC. | STATION NUMBER | GEO- LOGIC UNIT | DEPTH OF WELL (FEET) | DATE OF SAMPLE | SPE- CIFIC CON- DUCT- ANCE, LAB (US/CM) | CHLO- RIDE, DIS- SOLVED (MG/L AS CL) |
|---|---|---|---|---|---|---|---|---|---|
| CALCASIEU PARISH | | | | | | | | | |
| CU- 615 | 10S | 9W | 4 | 301338093172801 | 11205LC | 533 | 09-07-88 | 703 | 110 |
| CU- 694 | 10S | 9W | 19 | 301044093195101 | 11205LC | 556 | 03-18-88 | 1430 | 320 |
| CU- 767 | 10S | 8W | 20 | 301036093124401 | 11207LC | 850 | 09-07-88 | 2950 | 800 |
| CU- 771 | 10S | 9W | 5 | 301336093183002 | 11202LC | 241 | 09-07-88 | 424 | 16 |
| CAMERON PARISH | | | | | | | | | |
| CN- 80U | 12S | 3W | 24 | 295846092381104 | 112CHCTU | 453 | 03-17-88 | 1230 | 250 |
| | | | | | | | 09-08-88 | 1270 | 250 |
| EAST BATON ROUGE PARISH | | | | | | | | | |
| EB- 151 | 7S | 1E | 82 | 302641091085801 | 12223BR | 2658 | 09-29-88 | 358 | 4.4 |
| EB- 298 | 7S | 1E | 81 | 302638091090801 | 12112BR | 1387 | 08-05-88 | 383 | 4.6 |
| EB- 413 | 7S | 1E | 81 | 302642091083201 | 12115BR | 1745 | 09-29-88 | 317 | 5.5 |
| EB- 434 | 7S | 1W | 49 | 302619091104003 | 11206BR | 611 | 09-01-88 | 490 | 70 |
| EB- 500 | 7S | 1W | 46 | 302654091101101 | 11206BR | 710 | 07-25-88 | 11300 | 3700 |
| EB- 575 | 8S | 1W | 66 | 302149091101401 | 12220BR | 2500 | 07-28-88 | 1200 | 200 |
| | | | | | | | 07-29-88 | 1200 | 200 |
| EB- 611 | 8S | 2E | 50 | 302149091012401 | 11204BR | 600 | 07-27-88 | 819 | 160 |
| EB- 681 | 8S | 2E | 50 | 302147091012301 | 112SLBR | 289 | 07-27-88 | 937 | 18 |
| EB- 725 | 7S | 1E | 43 | 302431091074601 | 11204BR | 598 | 07-26-88 | 406 | 27 |
| EB- 750 | 6S | 1W | 75 | 303141091114801 | 12228BR | 2643 | 09-29-88 | 693 | 44 |
| EB- 771 | 7S | 1E | 81 | 302646091083801 | 12115BR | 1739 | 09-29-88 | 318 | 3.1 |
| EB- 778 | 7S | 1E | 94 | 302509091082701 | 12220BR | 2586 | 07-22-88 | 966 | 140 |
| EB- 780A | 7S | 1E | 94 | 302509091082702 | 12112BR | 1622 | 07-22-88 | 3040 | 860 |
| EB- 780B | 7S | 1E | 94 | 302509091082703 | 12115BR | 1913 | 07-22-88 | 1750 | 350 |
| EB- 781 | 7S | 1E | 94 | 302535091090401 | 12220BR | 2286 | 07-28-88 | 7560 | 2800 |
| EB- 783B | 7S | 1W | 54 | 302502091113602 | 12220BR | 2675 | 08-05-88 | 3360 | 740 |
| EB- 789A | 7S | 1E | 93 | 302511091070401 | 11204BR | 711 | 07-26-88 | 1350 | 300 |
| EB- 789B | 7S | 1E | 93 | 302511091070402 | 12115BR | 1721 | 07-26-88 | 5560 | 1700 |
| EB- 792B | 7S | 1E | 95 | 302605091080602 | 12220BR | 2286 | 07-22-88 | 388 | 1.9 |
| EB- 793 | 7S | 1W | 71 | 302719091103201 | 11206BR | 687 | 07-26-88 | 329 | 2.8 |
| EB- 794 | 7S | 1W | 52 | 302559091110801 | 12224BR | 2709 | 07-02-88 | 539 | 14 |
| EB- 798 | 6S | 1W | 39 | 303133091103101 | 12228BR | 2647 | 09-29-88 | 940 | 120 |
| EB- 803B | 8S | 2E | 5 | 302306091022602 | 12220BR | 2565 | 07-28-88 | 2190 | 540 |
| EB- 804A | 7S | 1E | 70 | 302428091035001 | 12117BR | 1950 | 08-03-88 | 391 | 2.0 |
| EB- 804B | 7S | 1E | 70 | 302428091035002 | 12224BR | 2762 | 08-03-88 | 414 | 3.6 |
| EB- 805 | 7S | 1E | 70 | 302428091035003 | 12110BR | 1072 | 08-03-88 | 19400 | 7400 |
| EB- 806B | 7S | 1W | 72 | 302702091103902 | 12224BR | 2579 | 08-09-88 | 371 | 3.0 |
| EB- 807A | 7S | 1E | 96 | 302611091091201 | 12115BR | 1713 | 08-15-88 | 7500 | 2400 |
| EB- 815 | 7S | 1E | 52 | 302425091062301 | 11204BR | 645 | 07-26-88 | 471 | 48 |
| EB- 819 | 7S | 1W | 67 | 302501091101202 | 112SLBR | 322 | 08-02-88 | 547 | 18 |
| EB- 822 | 7S | 1W | 54 | 302510091105003 | 11204BR | 573 | 07-25-88 | 2930 | 800 |
| EB- 823 | 7S | 1E | 94 | 302500091085801 | 11204BR | 582 | 08-09-88 | 584 | 82 |
| EB- 824 | 7S | 1E | 96 | 302553091092001 | 11206BR | 581 | 08-01-88 | 284 | 2.9 |
| EB- 825 | 7S | 1E | 96 | 302553091092002 | 11204BR | 475 | 08-01-88 | 272 | 4.4 |
| EB- 826 | 6S | 1E | 40 | 303023091075601 | 11204BR | 350 | 08-11-88 | 220 | 6.8 |
| EB- 866 | 6S | 2E | 52 | 302919091020601 | 11204BR | 400 | 08-09-88 | 204 | 10 |
| EB- 870 | 7S | 1W | 44 | 302729091100601 | 11206BR | 692 | 07-22-88 | 295 | 3.1 |
| EB- 917 | 7S | 1E | 95 | 302614091083001 | 12115BR | 1736 | 08-08-88 | 307 | 6.9 |
| EB- 918 | 7S | 1E | 91 | 302547091074401 | 12115BR | 1834 | 08-01-88 | 327 | 4.3 |
| EB- 933 | 6S | 1E | 50 | 302955091060601 | 11206BR | 603 | 08-05-88 | 273 | 5.8 |
| EB- 934 | 6S | 1E | 50 | 302955091060501 | 11204BR | 385 | 08-05-88 | 242 | 11 |
| EB-1000 | 6S | 1W | 69 | 303251091115001 | 12228BR | 2926 | 07-25-88 | 807 | 94 |
| EB-1019 | 6S | 2E | 52 | 302919091020501 | 11206BR | 700 | 08-09-88 | 240 | 6.4 |
| EB-1157 | 6S | 1E | 66 | 302927091042701 | 11204BR | 363 | 08-05-88 | 224 | 9.8 |
| JEFFERSON PARISH | | | | | | | | | |
| JF- 160 | 13S | 22E | 26 | 295518090112301 | 112GZNO | 836 | 12-11-87 | 2980 | 780 |
| | | | | | | | 03-28-88 | 2930 | 730 |

## PARTIAL CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1987 TO SEPTEMBER 1988

| WELL NO. | LOCATION T. | LOCATION R. | LOCATION SEC. | STATION NUMBER | GEO-LOGIC UNIT | DEPTH OF WELL (FEET) | DATE OF SAMPLE | SPE-CIFIC CON-DUCT-ANCE, LAB (US/CM) | CHLO-RIDE, DIS-SOLVED (MG/L AS CL) |
|---|---|---|---|---|---|---|---|---|---|
| **LIVINGSTON PARISH** | | | | | | | | | |
| LI- 185 | 7S | 3E | 38 | 302724090565801 | 12224BR | 2611 | a07-14-88 | b271 | -- |
| **MADISON PARISH** | | | | | | | | | |
| MA- 64 | 17N | 12E | 23 | 322614091122001 | 112MRVA | 117 | 06-08-88 | b9430 | -- |
| **ORLEANS PARISH** | | | | | | | | | |
| OR- 61 | 12S | 12E | 38 | 300055090013101 | 112GZNO | 653 | 11-17-87 | 950 | 76 |
| | | | | | | | 03-22-88 | 986 | 86 |
| OR- 130 | 12S | 12E | | 295738090021001 | 112GZNO | 736 | 11-17-87 | 1890 | 340 |
| | | | | | | | 05-04-88 | 1710 | 340 |
| OR- 179 | 10S | 15E | 19 | 300959089441901 | 120ABIT | 2434 | 11-16-87 | 643 | 6.2 |
| | | | | | | | 03-22-88 | 622 | 5.3 |
| OR- 203 | 11S | 13E | 30 | 300349089562401 | 112GZNO | 453 | 12-08-87 | 1680 | 370 |
| | | | | | | | 03-21-88 | 1650 | 350 |
| **RICHLAND PARISH** | | | | | | | | | |
| RI- 112 | 17N | 9E | 24 | 322623091294901 | 112MRVA | 67 | 06-08-88 | b1300 | 290 |
| RI- 114 | 17N | 9E | 24 | 322636091295702 | 112MRVA | 66 | 06-08-88 | b976 | 150 |
| RI- 124 | 17N | 9E | 25 | 322605091301101 | 112MRVA | 84 | 06-08-88 | b1330 | 180 |
| **ST. CHARLES PARISH** | | | | | | | | | |
| SC- 1 | 12S | 8E | 6 | 300014090242701 | 112NORC | 420 | 12-09-87 | 3270 | 880 |
| SC- 159 | 12S | 20E | 23 | 295926090273101 | 112NORC | 440 | 12-10-87 | 1540 | 230 |
| | | | | | | | 03-28-88 | 1640 | 250 |
| **ST. JAMES PARISH** | | | | | | | | | |
| SJ- 86 | 12S | 17E | 20 | 300024090433501 | 112GRMC | 290 | 12-08-87 | 1230 | 84 |
| | | | | | | | 03-21-88 | 1100 | 69 |
| SJ- 203 | 11S | 3E | 38 | 300445090520301 | 112NORC | 444 | 12-10-87 | 988 | 170 |
| | | | | | | | 06-29-88 | 971 | 150 |
| SJ- 206 | 11S | 5E | 190 | 300325090394701 | 112GRMC | 244 | 12-16-87 | 930 | 150 |
| | | | | | | | 03-31-88 | 962 | 160 |
| **ST. MARTIN PARISH** | | | | | | | | | |
| SMN- 108 | 9S | 7E | 36 | 301304091424001 | 112CHCTU | 505 | 03-16-88 | 1820 | 320 |
| | | | | | | | 09-09-88 | 1870 | 310 |
| **ST. MARY PARISH** | | | | | | | | | |
| SM- 57U | 14S | 8E | 27 | 294749091402301 | 112CHCTU | 638 | 09-09-88 | 1150 | 180 |
| **VERMILION PARISH** | | | | | | | | | |
| VE- 639 | 16S | 1W | 2 | 293845092264901 | 112CHCTS | 608 | 03-17-88 | 1480 | 290 |
| | | | | | | | 09-08-88 | 1530 | 280 |
| **WEST BATON ROUGE PARISH** | | | | | | | | | |
| WBR- 146 | 7S | 12E | 119 | 302853091150201 | 11204BR | 472 | 08-12-88 | 308 | 5.2 |
| WBR- 148 | 7S | 11E | 23 | 302702091185101 | 12112BR | 1304 | 08-12-88 | 347 | 2.6 |
| WBR- 181 | 7S | 12E | 68 | 302644091121201 | 12117BR | 1900 | 08-12-88 | 302 | 3.2 |

a Field pH, 8.60 units; field alkalinity, 131 mg/L. See pesticide analyses table for additional information.

b Field measurement.

## MISCELLANEOUS CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1987 TO SEPTEMBER 1988

[Additional information for wells may be found in the organic chemical analyses table.
<, Actual value is known to be less than the value shown]

| WELL NO. | LOCATION T. R. SEC. | STATION NUMBER | GEO-LOGIC UNIT | DEPTH OF WELL (FEET) | DATE OF SAMPLE | TIME | SPE-CIFIC CON-DUCT-ANCE, FIELD (US/CM) | PH, FIELD (STAND-ARD UNITS) | WATER TEMPER-ATURE (DEG C) |
|---|---|---|---|---|---|---|---|---|---|
| ST. CHARLES PARISH | | | | | | | | | |
| SC- 185 | 13S 20E 120 | 295350090235801 | 111SLNO | 18 | 09-13-88 | 1045 | -- | -- | -- |
| | | | | | 09-13-88 | 1110 | 638 | 6.84 | 29.5 |
| | | | | | a09-27-88 | 1005 | -- | -- | 25.5 |
| SC- 186 | 13S 20E 120 | 295347090235101 | 111SLNO | 28 | 09-13-88 | 1145 | -- | -- | -- |
| | | | | | 09-13-88 | 1205 | 4970 | 6.90 | 29.0 |
| | | | | | 09-27-88 | 1110 | -- | -- | 25.0 |
| SC- 187 | 14S 20E 120 | 295344090235001 | 111SLNO | 16 | 09-13-88 | 1455 | -- | -- | -- |
| | | | | | 09-13-88 | 1510 | 1900 | 6.82 | 29.5 |
| | | | | | 09-27-88 | 1135 | -- | -- | 25.0 |
| SC- 188 | 14S 20E 120 | 295344090235301 | 111SLNO | 23 | 09-13-88 | 1345 | -- | -- | -- |
| | | | | | 09-13-88 | 1400 | 1660 | 6.80 | -- |
| | | | | | 09-27-88 | 1045 | -- | -- | -- |
| SC- 189 | 14S 20E 120 | 295346090240001 | 111SLNO | 27 | 09-13-88 | 1300 | -- | -- | -- |
| | | | | | 09-13-88 | 1315 | 1200 | 6.88 | 29.0 |
| | | | | | 09-27-88 | 1020 | -- | -- | 25.0 |

| WELL NO. | LOCATION T. R. SEC. | DATE OF SAMPLE | OXYGEN, DIS-SOLVED (MG/L) | OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) | OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) | ALKA-LINITY, FIELD (MG/L AS CACO3) | SOLIDS, RESIDUE AT 180 DEG. C, DIS-SOLVED (MG/L) | ZINC, DIS-SOLVED (UG/L AS ZN) | CARBON, ORGANIC, TOTAL (MG/L AS C) | OIL AND GREASE, TOTAL RECOV., GRAVI-METRIC (MG/L) | HALIDES, ORGANIC, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ST. CHARLES PARISH--CONTINUED | | | | | | | | | | | |
| SC- 185 | 13S 20E 120 | 09-13-88 | -- | -- | -- | -- | -- | -- | -- | 1 | -- |
| | | 09-13-88 | 4.0 | 18 | 1.6 | 313 | 363 | 10 | 3.4 | 2 | -- |
| | | 09-27-88 | -- | -- | -- | -- | -- | -- | -- | -- | <50 |
| SC- 186 | 13S 20E 120 | 09-13-88 | -- | -- | -- | -- | -- | -- | -- | <1 | -- |
| | | 09-13-88 | 1.6 | 57 | 8.1 | 936 | 2830 | 20 | -- | 1 | -- |
| | | 09-27-88 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| SC- 187 | 14S 20E 120 | 09-13-88 | -- | -- | -- | -- | -- | -- | -- | 2 | -- |
| | | 09-13-88 | 2.3 | 33 | 6.9 | 583 | 1040 | 10 | 10 | 1 | -- |
| | | 09-27-88 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| SC- 188 | 14S 20E 120 | 09-13-88 | -- | -- | -- | -- | -- | -- | -- | <1 | -- |
| | | 09-13-88 | 2.8 | 62 | 6.1 | 687 | 951 | 20 | 20 | 1 | -- |
| | | 09-27-88 | -- | -- | -- | -- | -- | -- | -- | -- | <50 |
| SC- 189 | 14S 20E 120 | 09-13-88 | -- | -- | -- | -- | -- | -- | 43 | 1 | -- |
| | | 09-13-88 | 3.5 | 75 | 7.1 | 497 | 704 | 20 | 43 | 3 | -- |
| | | 09-27-88 | -- | -- | -- | -- | -- | -- | -- | -- | <50 |

a Total chlordane, <0.01 µg/L: total toxaphene, <0.5 µg/L.

EXPLANATION OF GEOLOGIC UNIT (AQUIFER) CODES:

| | |
|---|---|
| 111SLNO- | Shallow aquifers of New Orleans area, Holocene age. |
| 112CHCT- | Chicot aquifer, Pleistocene age. |
| 112CHCTS- | Chicot aquifer, shallow sand unit, Pleistocene age. |
| 112CHCTU- | Chicot aquifer, upper sand unit, Pleistocene age. |
| 112GRMC- | Gramercy aquifer, Pleistocene age. |
| 112GZNO- | Gonzales-New Orleans aquifer, Pleistocene age. |
| 112MRVA- | Mississippi River alluvial aquifer, Pleistocene age. |
| 112NORC- | Norco aquifer, Pleistocene age. |
| 112PRIR- | Prairie Formation, Pleistocene age. |
| 112SLBR- | Shallow sands of Baton Rouge area, Pleistocene age. |
| 112UPTC- | Upland terrace deposits, Pleistocene age. |
| 11202LC- | "200-foot" sand of Lake Charles area, Pleistocene age. |
| 11204BR- | "400-foot" sand of Baton Rouge-Gonzales area, Pleistocene age. |
| 11205LC- | "500-foot" sand of Lake Charles area, Pleistocene age. |
| 11206BR- | "600-foot" sand of Baton Rouge-Gonzales area, Pleistocene age. |
| 11207LC- | "700-foot" sand of Lake Charles area, Pleistocene age. |
| 120ABIT- | Abita aquifer (Zone 2), Pliocene age. |
| 120KNTD | Kentwood aquifer (Zone 2), Pliocene age. |
| 121BGBC- | Big Branch aquifer (Zone 1), Pliocene age. |
| 12102FP- | Zone 2 Florida Parishes and Pointe Coupee Parish, Pliocene age. |
| 12110BR- | "1,000-foot" sand of Baton Rouge area, Pliocene age. |
| 12112BR- | "1,200-foot" sand of Baton Rouge area, Pliocene age. |
| 12115BR- | "1,500-foot" sand of Baton Rouge area, Pliocene age. |
| 12117BR- | "1,700-foot" sand of Baton Rouge area, Pliocene age. |
| 122CRNB- | Carnahan Bayou Member of Fleming Formation, Miocene age. |
| 122WMCK- | Williamson Creek Member of Fleming Formation, Miocene age. |
| 12220BR- | "2,000-foot" sand of Baton Rouge area, Miocene age. |
| 12223BR- | "2,000-foot" and "2,400-foot" sands of Baton Rouge area, Miocene age. |
| 12224BR- | "2,400-foot" sand of Baton Rouge area, Miocene age. |
| 12228BR- | "2,800-foot" sand of Baton Rouge area, Miocene age. |
| 124CCKF- | Cockfield Formation, Eocene age. |
| 124SPRT- | Sparta sand, Eocene age. |
| 124WLCX- | Wilcox Group, Eocene age. |

## MINOR ELEMENTS FOR MONITOR WELLS, OCTOBER 1987 TO SEPTEMBER 1988

[<, Actual value is known to be less than the value shown]

| WELL NO. | LOCATION T. | R. | SEC. | STATION NUMBER | DATE OF SAMPLE | ALUMINUM, DISSOLVED (UG/L AS AL) | ANTIMONY, DISSOLVED (UG/L AS SB) | ARSENIC, DISSOLVED (UG/L AS AS) | BARIUM, DISSOLVED (UG/L AS BA) | BERYLLIUM, DISSOLVED (UG/L AS BE) | CADMIUM, DISSOLVED (UG/L AS CD) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | BOSSIER PARISH | | | | | | |
| BO- 275 | 19N | 12W | 34 | 323601093354102 | 08-16-88 | <100 | <1 | <1 | 100 | <10 | <1 |
| | | | | | CALCASIEU PARISH | | | | | | |
| CU- 696 | 9S | 9W | 16 | 301705093171401 | 08-08-88 | <100 | -- | <1 | <100 | <10 | <1 |
| CU- 771 | 10S | 9W | 5 | 301336093183002 | a06-14-88 | <10 | -- | <1 | 300 | -- | <1 |
| | | | | | CALDWELL PARISH | | | | | | |
| CA- 129 | 13N | 4E | 17 | 320616092044701 | 08-18-88 | <100 | <1 | <1 | 200 | <10 | <1 |
| | | | | | DE SOTO PARISH | | | | | | |
| DS- 327 | 12N | 13W | 4 | 320259093420001 | 08-15-88 | <100 | <1 | <1 | 100 | <10 | <1 |
| | | | | | FRANKLIN PARISH | | | | | | |
| FR- 368 | 14N | 7E | 26 | 321011091431701 | 08-26-88 | <100 | <1 | 2 | 200 | <10 | <1 |
| | | | | | LAFAYETTE PARISH | | | | | | |
| LF- 520 | 9S | 5E | 135 | 301358092002401 | 08-01-88 | <100 | -- | 1 | <100 | <10 | <1 |
| | | | | | LINCOLN PARISH | | | | | | |
| L- 32 | 18N | 2W | 19 | 323138092365201 | 08-17-88 | <100 | <1 | <1 | <100 | <10 | <1 |
| | | | | | LIVINGSTON PARISH | | | | | | |
| LI- 185 | 7S | 3E | 38 | 302724090565801 | 06-07-88 | -- | -- | <1 | <100 | -- | <1 |
| | | | | | MADISON PARISH | | | | | | |
| MA- 31 | 16N | 12E | 31 | 322354091110301 | 08-26-88 | <100 | <1 | 13 | 400 | <10 | <1 |
| | | | | | MOREHOUSE PARISH | | | | | | |
| MO- 363 | 21N | 5E | 25 | 324647091543805 | 08-02-88 | <100 | -- | <1 | 100 | <10 | 1 |
| MO- 364 | 21N | 5E | 25 | 324654091545501 | 08-25-88 | <100 | <1 | <1 | 100 | <10 | <1 |
| | | | | | OUACHITA PARISH | | | | | | |
| OU- 467 | 18N | 3E | 43 | 323044092092202 | 08-18-88 | <100 | <1 | <1 | <100 | <10 | <1 |
| | | | | | POINTE COUPEE PARISH | | | | | | |
| PC- 110 | 5S | 10E | 9 | 303944091251001 | 12-30-87 | -- | -- | <1 | <100 | -- | 1 |
| | | | | | RAPIDES PARISH | | | | | | |
| R- 910 | 2N | 3W | 14 | 310841092382801 | 08-01-88 | <100 | -- | <1 | <100 | <10 | 4 |
| R- 932 | 2N | 3W | 22 | 310819092394002 | 08-19-88 | <100 | <1 | <1 | <100 | <10 | <1 |
| R-1210 | 2N | 2W | 19 | 310810092364304 | 08-19-88 | <100 | <1 | <1 | <100 | <10 | <1 |
| | | | | | RICHLAND PARISH | | | | | | |
| RI- 126 | 18N | 9E | 13 | 323308091294801 | 08-25-88 | <100 | <1 | <1 | <100 | <10 | <1 |
| | | | | | ST. HELENA PARISH | | | | | | |
| SH- 55 | 3S | 4E | 50 | 304530090500201 | 08-29-88 | -- | -- | <1 | <100 | -- | 1 |
| | | | | | ST. TAMMANY PARISH | | | | | | |
| ST- 532 | 8S | 12E | 43 | 302052090010201 | 08-15-88 | <100 | <1 | <1 | <100 | <10 | <1 |
| | | | | | TANGIPAHOA PARISH | | | | | | |
| TA- 286 | 1S | 7E | 29 | 305604090312001 | 07-26-88 | <100 | <1 | <1 | <100 | <10 | <1 |
| TA- 520 | 3S | 8E | 46 | 304709090264101 | 08-17-88 | <100 | <1 | <1 | <100 | <10 | 1 |
| | | | | | WASHINGTON PARISH | | | | | | |
| WA- 107 | 2S | 12E | 16 | 305217089595001 | 08-16-88 | <100 | <1 | <1 | <100 | <10 | 1 |
| | | | | | WEBSTER PARISH | | | | | | |
| WB- 241 | 23N | 11W | 14 | 325938093275301 | 08-17-88 | <100 | <1 | <1 | 100 | <10 | <1 |
| WB- 269 | 19N | 9W | 28 | 323637093172401 | 08-16-88 | <100 | <1 | <1 | 200 | <10 | <1 |

a Dissolved hexavalent chromium, <1 μg/L.

| WELL NO. | LOCATION T. | R. | SEC. | DATE OF SAMPLE | CHROMIUM, DISSOLVED (UG/L AS CR) | COPPER, DISSOLVED (UG/L AS CU) | LEAD, DISSOLVED (UG/L AS PB) | MERCURY, DISSOLVED (UG/L AS HG) | NICKEL, DISSOLVED (UG/L AS NI) | SELENIUM, DISSOLVED (UG/L AS SE) | SILVER, DISSOLVED (UG/L AS AG) | ZINC, DISSOLVED (UG/L AS ZN) | CYANIDE, DISSOLVED (MG/L AS CN) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BOSSIER PARISH--CONTINUED | | | | | | | | | | | | | |
| BO- 275 | 19N | 12W | 34 | 08-16-88 | <10 | 1 | <5 | -- | <1 | <1 | <1 | <10 | <0.01 |
| CALCASIEU PARISH--CONTINUED | | | | | | | | | | | | | |
| CU- 696 | 9S | 9W | 16 | 08-08-88 | <10 | 1 | <5 | -- | 1 | <1 | <1 | 20 | <.01 |
| CU- 771 | 10S | 9W | 5 | 06-14-88 | <1 | 2 | <5 | <0.1 | <1 | -- | -- | 20 | <.01 |
| CALDWELL PARISH--CONTINUED | | | | | | | | | | | | | |
| CA- 129 | 13N | 4E | 17 | 08-18-88 | <10 | 2 | <5 | .1 | 2 | <1 | <1 | 60 | <.01 |
| DE SOTO PARISH--CONTINUED | | | | | | | | | | | | | |
| DS- 327 | 12N | 13W | 4 | 08-15-88 | <10 | 1 | <5 | .1 | <1 | <1 | <1 | 30 | <.01 |
| FRANKLIN PARISH--CONTINUED | | | | | | | | | | | | | |
| FR- 368 | 14N | 7E | 26 | 08-26-88 | <10 | 3 | <5 | .1 | 4 | <1 | <1 | 40 | <.01 |
| LAFAYETTE PARISH--CONTINUED | | | | | | | | | | | | | |
| LF- 520 | 9S | 5E | 135 | 08-01-88 | <10 | <1 | <5 | -- | <1 | <1 | <1 | <10 | <.01 |
| LINCOLN PARISH--CONTINUED | | | | | | | | | | | | | |
| L- 32 | 18N | 2W | 19 | 08-17-88 | <10 | 2 | 8 | <.1 | 1 | <1 | <1 | 10 | <.01 |
| LIVINGSTON PARISH--CONTINUED | | | | | | | | | | | | | |
| LI- 185 | 7S | 3E | 38 | 06-07-88 | <10 | <1 | <5 | <.1 | -- | <1 | <1 | 10 | -- |
| MADISON PARISH--CONTINUED | | | | | | | | | | | | | |
| MA- 31 | 16N | 12E | 31 | 08-26-88 | <10 | 2 | <5 | -- | 2 | <1 | <1 | 60 | <.01 |
| MOREHOUSE PARISH--CONTINUED | | | | | | | | | | | | | |
| MO- 363 | 21N | 5E | 25 | 08-02-88 | <10 | 4 | <5 | -- | 3 | <1 | <1 | 50 | <.01 |
| MO- 364 | 21N | 5E | 25 | 08-25-88 | <10 | 9 | <5 | <.1 | 2 | <1 | <1 | 100 | <.01 |
| OUACHITA PARISH--CONTINUED | | | | | | | | | | | | | |
| OU- 467 | 18N | 3E | 43 | 08-18-88 | <10 | 3 | <5 | <.1 | 1 | <1 | <1 | 10 | <.01 |
| POINTE COUPEE PARISH--CONTINUED | | | | | | | | | | | | | |
| PC- 110 | 5S | 10E | 9 | 12-30-87 | <10 | 2 | <5 | <.1 | -- | <1 | <1 | 10 | -- |
| RAPIDES PARISH--CONTINUED | | | | | | | | | | | | | |
| R- 910 | 2N | 3W | 14 | 08-01-88 | <10 | 4 | <5 | -- | <1 | <1 | <1 | <10 | <.01 |
| R- 932 | 2N | 3W | 22 | 08-19-88 | <10 | 6 | <5 | <.1 | 1 | <1 | <1 | 10 | <.01 |
| R-1210 | 2N | 2W | 19 | 08-19-88 | <10 | 3 | <5 | <.1 | <1 | <1 | <1 | 10 | <.01 |
| RICHLAND PARISH--CONTINUED | | | | | | | | | | | | | |
| RI- 126 | 18N | 9E | 13 | 08-25-88 | <10 | 3 | <5 | -- | 2 | <1 | <1 | 10 | <.01 |
| ST. HELENA PARISH--CONTINUED | | | | | | | | | | | | | |
| SH- 55 | 3S | 4E | 50 | 08-29-88 | <10 | 5 | <5 | .1 | -- | <1 | <1 | 50 | -- |
| ST. TAMMANY PARISH--CONTINUED | | | | | | | | | | | | | |
| ST- 532 | 8S | 12E | 43 | 08-15-88 | <10 | 2 | <5 | <.1 | <1 | <1 | <1 | <10 | <.01 |
| TANGIPAHOA PARISH--CONTINUED | | | | | | | | | | | | | |
| TA- 286 | 1S | 7E | 29 | 07-26-88 | <10 | 2 | <5 | .1 | 1 | <1 | <1 | 10 | <.01 |
| TA- 520 | 3S | 8E | 46 | 08-17-88 | <10 | 14 | <5 | .1 | 1 | <1 | <1 | 70 | <.01 |
| WASHINGTON PARISH--CONTINUED | | | | | | | | | | | | | |
| WA- 107 | 2S | 12E | 16 | 08-16-88 | <10 | 5 | <5 | <.1 | 1 | <1 | <1 | 50 | <.01 |
| WEBSTER PARISH--CONTINUED | | | | | | | | | | | | | |
| WB- 241 | 23N | 11W | 14 | 08-17-88 | <10 | 1 | <5 | -- | 2 | <1 | <1 | 40 | <.01 |
| WB- 269 | 19N | 9W | 28 | 08-16-88 | <10 | 32 | 23 | <.1 | 6 | <1 | <1 | 160 | <.01 |

## PESTICIDE ANALYSES FOR MONITOR WELLS, OCTOBER 1987 TO SEPTEMBER 1988

[<, Actual value is known to be less than the value shown]

| WELL NO. | LOCATION T. | LOCATION R. | LOCATION SEC. | STATION NUMBER | DATE OF SAMPLE | PCB, TOTAL (UG/L) | ALDRIN, TOTAL (UG/L) | CHLOR-DANE, TOTAL (UG/L) | DDD, TOTAL (UG/L) | DDE, TOTAL (UG/L) | DDT, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BOSSIER PARISH | | | | | | | | | | | |
| BO- 275 | 19N | 12W | 34 | 323601093354102 | 08-16-88 | <0.1 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| CALCASIEU PARISH | | | | | | | | | | | |
| CU- 696 | 9S | 9W | 16 | 301705093171401 | 08-08-88 | <.1 | <.01 | <.01 | <.01 | <.01 | <.01 |
| CALDWELL PARISH | | | | | | | | | | | |
| CA- 129 | 13N | 4E | 17 | 320616092044701 | 08-18-88 | <.1 | <.01 | <.01 | <.01 | <.01 | <.01 |
| DE SOTO PARISH | | | | | | | | | | | |
| DS- 327 | 12N | 13W | 4 | 320259093420001 | 08-15-88 | <.1 | <.01 | <.01 | <.01 | <.01 | <.01 |
| FRANKLIN PARISH | | | | | | | | | | | |
| FR- 368 | 14N | 7E | 26 | 321011091431701 | 08-26-88 | <.1 | <.01 | <.01 | <.01 | <.01 | <.01 |
| LAFAYETTE PARISH | | | | | | | | | | | |
| LF- 520 | 9S | 5E | 135 | 301358092002401 | 08-01-88 | <.1 | <.01 | <.01 | <.01 | <.01 | <.01 |
| LINCOLN PARISH | | | | | | | | | | | |
| L- 32 | 18N | 2W | 19 | 323138092365201 | 08-17-88 | <.1 | <.01 | <.01 | <.01 | <.01 | <.01 |
| LIVINGSTON PARISH | | | | | | | | | | | |
| LI- 185 | 7S | 3E | 38 | 302724090565801 | 06-07-88 | <.1 | <.01 | <.01 | <.01 | <.01 | <.01 |
| | | | | | 07-14-88 | <.1 | <.01 | <.01 | <.01 | <.01 | <.01 |
| MADISON PARISH | | | | | | | | | | | |
| MA- 31 | 16N | 12E | 31 | 322358091110301 | 08-26-88 | <.1 | <.01 | <.01 | <.01 | <.01 | <.01 |
| MOREHOUSE PARISH | | | | | | | | | | | |
| MO- 363 | 21N | 5E | 25 | 324647091543805 | 08-02-88 | <.1 | <.01 | <.01 | <.01 | <.01 | <.01 |
| MO- 364 | 21N | 5E | 25 | 324654091545501 | 08-25-88 | <.1 | <.01 | <.01 | <.01 | <.01 | <.01 |
| OUACHITA PARISH | | | | | | | | | | | |
| OU- 467 | 18N | 3E | 43 | 323044092092202 | 08-18-88 | <.1 | <.01 | <.01 | <.01 | <.01 | <.01 |
| RAPIDES PARISH | | | | | | | | | | | |
| R- 910 | 2N | 3W | 14 | 310841092382801 | 08-01-88 | <.1 | <.01 | <.01 | <.01 | <.01 | <.01 |
| R- 932 | 2N | 3W | 22 | 310819092394002 | 08-19-88 | <.1 | <.01 | <.01 | <.01 | <.01 | <.01 |
| R-1210 | 2N | 2W | 19 | 310810092364304 | 08-19-88 | <.1 | <.01 | <.01 | <.01 | <.01 | <.01 |
| RICHLAND PARISH | | | | | | | | | | | |
| RI- 126 | 18N | 9E | 13 | 323308091294801 | 08-25-88 | <.1 | <.01 | <.01 | <.01 | <.01 | <.01 |
| ST. HELENA PARISH | | | | | | | | | | | |
| SH- 55 | 3S | 4E | 50 | 304530090500201 | 08-29-88 | <.1 | <.01 | <.01 | <.01 | <.01 | <.01 |
| ST. TAMMANY PARISH | | | | | | | | | | | |
| ST- 532 | 8S | 12E | 43 | 302052090010201 | 08-15-88 | <.1 | <.01 | <.01 | <.01 | <.01 | <.01 |
| TANGIPAHOA PARISH | | | | | | | | | | | |
| TA- 286 | 1S | 7E | 29 | 305604090312001 | 07-26-88 | <.1 | <.01 | <.01 | <.01 | <.01 | <.01 |
| TA- 520 | 3S | 8E | 46 | 304709090264101 | 08-17-88 | <.1 | <.01 | <.01 | <.01 | <.01 | <.01 |
| WASHINGTON PARISH | | | | | | | | | | | |
| WA- 107 | 2S | 12E | 16 | 305217089595001 | 08-16-88 | <.1 | <.01 | <.01 | <.01 | <.01 | <.01 |
| WEBSTER PARISH | | | | | | | | | | | |
| WB- 241 | 23N | 11W | 14 | 325938093275301 | 08-17-88 | <.1 | <.01 | <.01 | <.01 | <.01 | <.01 |
| WB- 269 | 19N | 9W | 28 | 323637093172401 | 08-16-88 | <.1 | <.01 | <.01 | <.01 | <.01 | <.01 |

| WELL NO. | LOCATION T. | LOCATION R. | LOCATION SEC. | DATE OF SAMPLE | DI-AZINON, TOTAL (UG/L) | DI-ELDRIN, TOTAL (UG/L) | ENDO-SULFAN, TOTAL (UG/L) | ENDRIN, TOTAL (UG/L) | ETHION, TOTAL (UG/L) | NAPH-THA-LENES, POLY-CHLOR., TOTAL (UG/L) | HEPTA-CHLOR, TOTAL (UG/L) | HEPTA-CHLOR EPOXIDE, TOTAL (UG/L) | LINDANE, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BOSSIER PARISH--CONTINUED | | | | | | | | | | | | | |
| BO- 275 | 19N | 12W | 34 | 08-16-88 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.1 | <0.01 | <0.01 | <0.01 |
| CALCASIEU PARISH--CONTINUED | | | | | | | | | | | | | |
| CU- 696 | 9S | 9W | 16 | 08-08-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.1 | <.01 | <.01 | <.01 |
| CALDWELL PARISH--CONTINUED | | | | | | | | | | | | | |
| CA- 129 | 13N | 4E | 17 | 08-18-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.1 | <.01 | <.01 | <.01 |
| DE SOTO PARISH--CONTINUED | | | | | | | | | | | | | |
| DS- 327 | 12N | 13W | 4 | 08-15-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.1 | <.01 | <.01 | <.01 |
| FRANKLIN PARISH--CONTINUED | | | | | | | | | | | | | |
| FR- 368 | 14N | 7E | 26 | 08-26-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.1 | <.01 | <.01 | <.01 |
| LAFAYETTE PARISH--CONTINUED | | | | | | | | | | | | | |
| LF- 520 | 9S | 5E | 135 | 08-01-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.1 | <.01 | <.01 | <.01 |
| LINCOLN PARISH--CONTINUED | | | | | | | | | | | | | |
| L- 32 | 18N | 2W | 19 | 08-17-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.1 | <.01 | <.01 | <.01 |
| LIVINGSTON PARISH--CONTINUED | | | | | | | | | | | | | |
| LI- 185 | 7S | 3E | 38 | 06-07-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.1 | <.01 | <.01 | <.01 |
| | | | | 07-14-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.1 | <.01 | <.01 | <.01 |
| MADISON PARISH--CONTINUED | | | | | | | | | | | | | |
| MA- 31 | 16N | 12E | 31 | 08-26-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.1 | <.01 | <.01 | <.01 |
| MOREHOUSE PARISH--CONTINUED | | | | | | | | | | | | | |
| MO- 363 | 21N | 5E | 25 | 08-02-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.1 | <.01 | <.01 | <.01 |
| MO- 364 | 21N | 5E | 25 | 08-25-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.1 | <.01 | <.01 | <.01 |
| OUACHITA PARISH--CONTINUED | | | | | | | | | | | | | |
| OU- 467 | 18N | 3E | 43 | 08-18-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.1 | <.01 | <.01 | <.01 |
| RAPIDES PARISH--CONTINUED | | | | | | | | | | | | | |
| R- 910 | 2N | 3W | 14 | 08-01-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.1 | <.01 | <.01 | <.01 |
| R- 932 | 2N | 3W | 22 | 08-19-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.1 | <.01 | <.01 | <.01 |
| R-1210 | 2N | 2W | 19 | 08-19-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.1 | <.01 | <.01 | <.01 |
| RICHLAND PARISH--CONTINUED | | | | | | | | | | | | | |
| RI- 126 | 18N | 9E | 13 | 08-25-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.1 | <.01 | <.01 | <.01 |
| ST. HELENA PARISH--CONTINUED | | | | | | | | | | | | | |
| SH- 55 | 3S | 4E | 50 | 08-29-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.1 | <.01 | <.01 | <.01 |
| ST. TAMMANY PARISH--CONTINUED | | | | | | | | | | | | | |
| ST- 532 | 8S | 12E | 43 | 08-15-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.1 | <.01 | <.01 | <.01 |
| TANGIPAHOA PARISH--CONTINUED | | | | | | | | | | | | | |
| TA- 286 | 1S | 7E | 29 | 07-26-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.1 | <.01 | <.01 | <.01 |
| TA- 520 | 3S | 8E | 46 | 08-17-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.1 | <.01 | <.01 | <.01 |
| WASHINGTON PARISH--CONTINUED | | | | | | | | | | | | | |
| WA- 107 | 2S | 12E | 16 | 08-16-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.1 | <.01 | <.01 | <.01 |
| WEBSTER PARISH--CONTINUED | | | | | | | | | | | | | |
| WB- 241 | 23N | 11W | 14 | 08-17-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.1 | <.01 | <.01 | <.01 |
| WB- 269 | 19N | 9W | 28 | 08-16-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.1 | <.01 | <.01 | <.01 |

| WELL NO. | LOCATION T. | R. | SEC. | DATE OF SAMPLE | MALA-THION, TOTAL (UG/L) | METH-OXY-CHLOR, TOTAL (UG/L) | METHYL PARA-THION, TOTAL (UG/L) | METHYL TRI-THION, TOTAL (UG/L) | MIREX, TOTAL (UG/L) | PARA-THION, TOTAL (UG/L) | PER-THANE, TOTAL (UG/L) | TOX-APHENE, TOTAL (UG/L) | TRI-THION, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BOSSIER PARISH--CONTINUED | | | | | | | | | | | | | |
| BO- 275 | 19N | 12W | 34 | 08-16-88 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.5 | <0.01 |
| CALCASIEU PARISH--CONTINUED | | | | | | | | | | | | | |
| CU- 696 | 9S | 9W | 16 | 08-08-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.5 | <.01 |
| CALDWELL PARISH--CONTINUED | | | | | | | | | | | | | |
| CA- 129 | 13N | 4E | 17 | 08-18-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.5 | <.01 |
| DE SOTO PARISH--CONTINUED | | | | | | | | | | | | | |
| DS- 327 | 12N | 13W | 4 | 03-15-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.5 | <.01 |
| FRANKLIN PARISH--CONTINUED | | | | | | | | | | | | | |
| FR- 368 | 14N | 7E | 26 | 08-26-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.5 | <.01 |
| LAFAYETTE PARISH--CONTINUED | | | | | | | | | | | | | |
| LF- 520 | 9S | 5E | 135 | 08-01-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.5 | <.01 |
| LINCOLN PARISH--CONTINUED | | | | | | | | | | | | | |
| L- 32 | 18N | 2W | 19 | 08-17-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.5 | <.01 |
| LIVINGSTON PARISH--CONTINUED | | | | | | | | | | | | | |
| LI- 185 | 7S | 3E | 38 | 06-07-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.5 | <.01 |
| | | | | 07-14-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.5 | <.01 |
| MADISON PARISH--CONTINUED | | | | | | | | | | | | | |
| MA- 31 | 16N | 12E | 31 | 08-26-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.5 | <.01 |
| MOREHOUSE PARISH--CONTINUED | | | | | | | | | | | | | |
| MO- 363 | 21N | 5E | 25 | 08-02-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.5 | <.01 |
| MO- 364 | 21N | 5E | 25 | 08-25-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.5 | <.01 |
| OUACHITA PARISH--CONTINUED | | | | | | | | | | | | | |
| OU- 467 | 18N | 3E | 43 | 08-18-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.5 | <.01 |
| RAPIDES PARISH--CONTINUED | | | | | | | | | | | | | |
| R- 910 | 2N | 3W | 14 | 08-01-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.5 | <.01 |
| R- 932 | 2N | 3W | 22 | 08-19-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.5 | <.01 |
| R-1210 | 2N | 2W | 19 | 08-19-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.5 | <.01 |
| RICHLAND PARISH--CONTINUED | | | | | | | | | | | | | |
| RI- 126 | 18N | 9E | 13 | 08-25-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.5 | <.01 |
| ST. HELENA PARISH--CONTINUED | | | | | | | | | | | | | |
| SH- 55 | 3S | 4E | 50 | 08-29-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.5 | <.01 |
| ST. TAMMANY PARISH--CONTINUED | | | | | | | | | | | | | |
| ST- 532 | 8S | 12E | 43 | 08-15-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.5 | <.01 |
| TANGIPAHOA PARISH--CONTINUED | | | | | | | | | | | | | |
| TA- 286 | 1S | 7E | 29 | 07-26-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.5 | <.01 |
| TA- 520 | 3S | 8E | 46 | 08-17-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.5 | <.01 |
| WASHINGTON PARISH--CONTINUED | | | | | | | | | | | | | |
| WA- 107 | 2S | 12E | 16 | 08-16-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.5 | <.01 |
| WEBSTER PARISH--CONTINUED | | | | | | | | | | | | | |
| WB- 241 | 23N | 11W | 14 | 08-17-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.5 | <.01 |
| WB- 269 | 19N | 9W | 28 | 08-16-88 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.01 | <.5 | <.01 |

| WELL NO. | LOCATION | | | DATE OF SAMPLE | 2,4-D, TOTAL (UG/L) | 2,4-DP, TOTAL (UG/L) | 2,4,5-T, TOTAL (UG/L) | SILVEX, TOTAL (UG/L) | ALA-CHLOR, TOTAL RECOVER (UG/L) | AME-TRYNE, TOTAL (UG/L) | ATRA-ZINE, TOTAL (UG/L) | CYAN-AZINE, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | T. | R. | SEC. | | | | | | | | | |
| | | | | | BOSSIER PARISH--CONTINUED | | | | | | | |
| BO- 275 | 19N | 12W | 34 | 08-16-88 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| | | | | | CALCASIEU PARISH--CONTINUED | | | | | | | |
| CU- 696 | 9S | 9W | 16 | 08-08-88 | <.1 | <.1 | <.1 | <.1 | -- | -- | -- | -- |
| | | | | | CALDWELL PARISH--CONTINUED | | | | | | | |
| CA- 129 | 13N | 4E | 17 | 08-18-88 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 |
| | | | | | DE SOTO PARISH--CONTINUED | | | | | | | |
| DS- 327 | 12N | 13W | 4 | 08-15-88 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 |
| | | | | | FRANKLIN PARISH--CONTINUED | | | | | | | |
| FR- 368 | 14N | 7E | 26 | 08-26-88 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 |
| | | | | | LAFAYETTE PARISH--CONTINUED | | | | | | | |
| LF- 520 | 9S | 5F | 135 | 08-01-88 | <.1 | <.1 | <.1 | <.1 | -- | -- | -- | -- |
| | | | | | LINCOLN PARISH--CONTINUED | | | | | | | |
| L- 32 | 18N | 2W | 19 | 08-17-88 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 |
| | | | | | LIVINGSTON PARISH--CONTINUED | | | | | | | |
| LI- 185 | 7S | 3E | 38 | 06-07-88 | <.1 | <.1 | <.1 | <.1 | -- | -- | -- | -- |
| | | | | 07-14-88 | <.1 | <.1 | <.1 | <.1 | -- | -- | -- | -- |
| | | | | | MADISON PARISH--CONTINUED | | | | | | | |
| MA- 31 | 16N | 12E | 31 | 08-26-88 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 |
| | | | | | MOREHOUSE PARISH--CONTINUED | | | | | | | |
| MO- 363 | 21N | 5E | 25 | 08-02-88 | <.1 | <.1 | <.1 | <.1 | -- | -- | -- | -- |
| MO- 364 | 21N | 5E | 25 | 08-25-88 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 |
| | | | | | OUACHITA PARISH--CONTINUED | | | | | | | |
| OU- 467 | 18N | 3E | 43 | 08-18-88 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 |
| | | | | | RAPIDES PARISH--CONTINUED | | | | | | | |
| R- 910 | 2N | 3W | 14 | 08-01-88 | <.1 | <.1 | <.1 | <.1 | -- | -- | -- | -- |
| R- 932 | 2N | 3W | 22 | 08-19-88 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 |
| R-1210 | 2N | 2W | 19 | 08-19-88 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 |
| | | | | | RICHLAND PARISH--CONTINUED | | | | | | | |
| RI- 126 | 18N | 9E | 13 | 08-25-88 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 |
| | | | | | ST. HELENA PARISH--CONTINUED | | | | | | | |
| SH- 55 | 3S | 4E | 50 | 08-29-88 | <.1 | <.1 | <.1 | <.1 | -- | -- | -- | -- |
| | | | | | ST. TAMMANY PARISH--CONTINUED | | | | | | | |
| ST- 532 | 8S | 12E | 43 | 08-15-88 | <.1 | <.1 | <.1 | <.1 | -- | -- | -- | -- |
| | | | | | TANGIPAHOA PARISH--CONTINUED | | | | | | | |
| TA- 286 | 1S | 7E | 29 | 07-26-88 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 |
| TA- 520 | 3S | 8E | 46 | 08-17-88 | <.1 | <.1 | <.1 | <.1 | -- | -- | -- | -- |
| | | | | | WASHINGTON PARISH--CONTINUED | | | | | | | |
| WA- 107 | 2S | 12E | 16 | 08-16-88 | <.1 | <.1 | <.1 | <.1 | -- | -- | -- | -- |
| | | | | | WEBSTER PARISH--CONTINUED | | | | | | | |
| WB- 241 | 23N | 11W | 14 | 08-17-88 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 |
| WB- 269 | 19N | 9W | 28 | 08-16-88 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 |

| WELL NO. | LOCATION T. | R. | SEC. | DATE OF SAMPLE | METOLACHLOR IN WHOLE WATER (UG/L) | METRIBUZIN IN WHOLE WATER (UG/L) | PROMETONE, TOTAL (UG/L) | PROMETRYNE, TOTAL (UG/L) | PROPAZINE, TOTAL (UG/L) | SIMAZINE, TOTAL (UG/L) | SIMETRYNE, TOTAL (UG/L) | TRIFLURALIN, TOTAL RECOVER (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BOSSIER PARISH--CONTINUED | | | | | | | | | | | | |
| BO- 275 | 19N | 12W | 34 | 08-16-88 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| CALCASIEU PARISH--CONTINUED | | | | | | | | | | | | |
| CU- 696 | 9S | 9W | 16 | 08-08-88 | -- | -- | -- | -- | -- | -- | -- | -- |
| CALDWELL PARISH--CONTINUED | | | | | | | | | | | | |
| CA- 129 | 13N | 4E | 17 | 08-18-88 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 |
| DE SOTO PARISH--CONTINUED | | | | | | | | | | | | |
| DS- 327 | 12N | 13W | 4 | 08-15-88 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 |
| FRANKLIN PARISH--CONTINUED | | | | | | | | | | | | |
| FR- 368 | 14N | 7E | 26 | 08-26-88 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 |
| LAFAYETTE PARISH--CONTINUED | | | | | | | | | | | | |
| LF- 520 | 9S | 5E | 135 | 08-01-88 | -- | -- | -- | -- | -- | -- | -- | -- |
| LINCOLN PARISH--CONTINUED | | | | | | | | | | | | |
| L- 32 | 18N | 2W | 19 | 08-17-88 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 |
| LIVINGSTON PARISH--CONTINUED | | | | | | | | | | | | |
| LI- 185 | 7S | 3E | 38 | 06-07-88 | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | 07-14-88 | -- | -- | -- | -- | -- | -- | -- | -- |
| MADISON PARISH--CONTINUED | | | | | | | | | | | | |
| MA- 31 | 16N | 12E | 31 | 08-26-88 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 |
| MOREHOUSE PARISH--CONTINUED | | | | | | | | | | | | |
| MO- 363 | 21N | 5E | 25 | 08-02-88 | -- | -- | -- | -- | -- | -- | -- | -- |
| MO- 364 | 21N | 5E | 25 | 08-25-88 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 |
| OUACHITA PARISH--CONTINUED | | | | | | | | | | | | |
| OU- 467 | 18N | 3E | 43 | 08-18-88 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 |
| RAPIDES PARISH--CONTINUED | | | | | | | | | | | | |
| R- 910 | 2N | 3W | 14 | 08-01-88 | -- | -- | -- | -- | -- | -- | -- | -- |
| R- 932 | 2N | 3W | 22 | 08-19-88 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 |
| R-1210 | 2N | 2W | 19 | 08-19-88 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 |
| RICHLAND PARISH--CONTINUED | | | | | | | | | | | | |
| RI- 126 | 18N | 9E | 13 | 08-25-88 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 |
| ST. HELENA PARISH--CONTINUED | | | | | | | | | | | | |
| SH- 55 | 3S | 4E | 50 | 08-29-88 | -- | -- | -- | -- | -- | -- | -- | -- |
| ST. TAMMANY PARISH--CONTINUED | | | | | | | | | | | | |
| ST- 532 | 8S | 12E | 43 | 08-15-88 | -- | -- | -- | -- | -- | -- | -- | -- |
| TANGIPAHOA PARISH--CONTINUED | | | | | | | | | | | | |
| TA- 286 | 1S | 7E | 29 | 07-26-88 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 |
| TA- 520 | 3S | 8E | 46 | 08-17-88 | -- | -- | -- | -- | -- | -- | -- | -- |
| WASHINGTON PARISH--CONTINUED | | | | | | | | | | | | |
| WA- 107 | 2S | 12E | 16 | 08-16-88 | -- | -- | -- | -- | -- | -- | -- | -- |
| WEBSTER PARISH--CONTINUED | | | | | | | | | | | | |
| WB- 241 | 23N | 11W | 14 | 08-17-88 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 |
| WB- 269 | 19N | 9W | 28 | 08-16-88 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 |

## ORGANIC CHEMICAL ANALYSES FOR MONITOR WELLS, OCTOBER 1987 TO SEPTEMBER 1988

[<, Actual value is known to be less than the value shown]

| WELL NO. | LOCATION |  |  | STATION NUMBER | DATE OF SAMPLE | BENZENE, TOTAL (UG/L) | BROMO-FORM, TOTAL (UG/L) | CARBON-TETRA-CHLO-RIDE, TOTAL (UG/L) | CHLORO-BENZENE, TOTAL (UG/L) | CHLORO-DI-BROMO-METHANE, TOTAL (UG/L) | CHLORO-ETHANE, TOTAL (UG/L) | 2-CHLORO-ETHYL-VINYL-ETHER, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | T. | R. | SEC. |  |  |  |  |  |  |  |  |  |
| BOSSIER PARISH |  |  |  |  |  |  |  |  |  |  |  |  |
| BO- 275 | 19N | 12W | 34 | 323601093354102 | 08-16-88 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| CALCASIEU PARISH |  |  |  |  |  |  |  |  |  |  |  |  |
| CU- 696 | 9S | 9W | 16 | 301705093171401 | 08-08-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| CU- 771 | 10S | 9W | 5 | 301336093183002 | a06-14-88 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| CALDWELL PARISH |  |  |  |  |  |  |  |  |  |  |  |  |
| CA- 129 | 13N | 4E | 17 | 320616092044701 | 08-18-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| DE SOTO PARISH |  |  |  |  |  |  |  |  |  |  |  |  |
| DS- 327 | 12N | 13W | 4 | 320259093420001 | 08-15-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| FRANKLIN PARISH |  |  |  |  |  |  |  |  |  |  |  |  |
| FR- 368 | 14N | 7E | 26 | 321011091431701 | 08-26-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| LAFAYETTE PARISH |  |  |  |  |  |  |  |  |  |  |  |  |
| LF- 520 | 9S | 5E | 135 | 301358092002401 | 08-01-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| LINCOLN PARISH |  |  |  |  |  |  |  |  |  |  |  |  |
| L- 32 | 18N | 2W | 19 | 323138092365201 | 08-17-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| MADISON PARISH |  |  |  |  |  |  |  |  |  |  |  |  |
| MA- 31 | 16N | 12E | 31 | 322358091110301 | 08-26-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| MOREHOUSE PARISH |  |  |  |  |  |  |  |  |  |  |  |  |
| MO- 363 | 21N | 5E | 25 | 324647091543805 | 08-02-88 | .6 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| MO- 364 | 21N | 5E | 25 | 324654091545501 | 08-25-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| OUACHITA PARISH |  |  |  |  |  |  |  |  |  |  |  |  |
| OU- 467 | 18N | 3E | 43 | 323044092092202 | 08-18-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| RAPIDES PARISH |  |  |  |  |  |  |  |  |  |  |  |  |
| R- 910 | 2N | 3W | 14 | 310841092382801 | 08-01-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| R- 932 | 2N | 3W | 22 | 310819092394002 | 08-19-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| R-1210 | 2N | 2W | 19 | 310810092364304 | 08-19-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| RICHLAND PARISH |  |  |  |  |  |  |  |  |  |  |  |  |
| RI- 126 | 18N | 9E | 13 | 323308091294801 | 08-25-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| ST. CHARLES PARISH |  |  |  |  |  |  |  |  |  |  |  |  |
| SC- 185 | 13S | 20E | 120 | 295350090235801 | 09-27-88 | -- | -- | -- | -- | -- | -- | -- |
| SC- 186 | 13S | 20E | 120 | 295347090235101 | 09-13-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
|  |  |  |  |  | 09-27-88 | -- | -- | -- | -- | -- | -- | -- |
| SC- 187 | 14S | 20E | 120 | 295344090235001 | 09-13-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
|  |  |  |  |  | 09-27-88 | -- | -- | -- | -- | -- | -- | -- |
| SC- 188 | 14S | 20E | 120 | 295344090235301 | 09-27-88 | -- | -- | -- | -- | -- | -- | -- |
| SC- 189 | 14S | 20E | 120 | 295346090240001 | 09-27-88 | -- | -- | -- | -- | -- | -- | -- |
| ST. TAMMANY PARISH |  |  |  |  |  |  |  |  |  |  |  |  |
| ST- 532 | 8S | 12E | 43 | 302052090010201 | 08-15-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| TANGIPAHOA PARISH |  |  |  |  |  |  |  |  |  |  |  |  |
| TA- 520 | 3S | 8E | 46 | 304709090264101 | 08-17-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| WASHINGTON PARISH |  |  |  |  |  |  |  |  |  |  |  |  |
| WA- 107 | 2S | 12E | 16 | 305217089595001 | 08-16-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| WEBSTER PARISH |  |  |  |  |  |  |  |  |  |  |  |  |
| WB- 241 | 23N | 11W | 14 | 325938093275301 | 08-17-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| WB- 269 | 19N | 9W | 28 | 323637093172401 | 08-16-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |

a Acrolein, <100 μg/L; acrylonitrile, <100 μg/L; total 1,2-dichloroethane, <10 μg/L.

| WELL NO. | LOCATION | | | DATE OF SAMPLE | CHLORO-FORM, TOTAL (UG/L) | DI-CHLORO-BROMO-METHANE, TOTAL (UG/L) | DI-CHLORO-DI-FLUORO-METHANE, TOTAL (UG/L) | 1,1-DI-CHLORO-ETHANE, TOTAL (UG/L) | 1,2-DI-CHLORO-ETHANE, TOTAL (UG/L) | 1,1-DI-CHLORO-ETHYL-ENE, TOTAL (UG/L) | 1,2-TRANSDI CHLORO-ETHENE, TOTAL (UG/L) | 1,2-DI-CHLORO-PROPANE, TOTAL (UG/L) | 1,3-DI-CHLORO-PROPENE, TOTAL (UG/L) | ETHYL-BENZENE, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | T. | R. | SEC. | | | | | | | | | | | |
| BOSSIER PARISH--CONTINUED | | | | | | | | | | | | | | |
| BO- 275 | 19N | 12W | 34 | 08-16-88 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| CALCASIEU PARISH--CONTINUED | | | | | | | | | | | | | | |
| CU- 696 | 9S | 9W | 16 | 08-08-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| CU- 771 | 10S | 9W | 5 | 06-14-88 | <10 | <10 | -- | <10 | -- | <10 | <10 | <10 | -- | <10 |
| CALDWELL PARISH--CONTINUED | | | | | | | | | | | | | | |
| CA- 129 | 13N | 4E | 17 | 08-18-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| DE SOTO PARISH--CONTINUED | | | | | | | | | | | | | | |
| DS- 327 | 12N | 13W | 4 | 08-15-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| FRANKLIN PARISH--CONTINUED | | | | | | | | | | | | | | |
| FR- 368 | 14N | 7E | 26 | 08-26-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| LAFAYETTE PARISH--CONTINUED | | | | | | | | | | | | | | |
| LF- 520 | 9S | 5E | 135 | 08-01-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| LINCOLN PARISH--CONTINUED | | | | | | | | | | | | | | |
| L- 32 | 18N | 2W | 19 | 08-17-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| MADISON PARISH--CONTINUED | | | | | | | | | | | | | | |
| MA- 31 | 16N | 12E | 31 | 08-26-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| MOREHOUSE PARISH--CONTINUED | | | | | | | | | | | | | | |
| MO- 363 | 21N | 5E | 25 | 08-02-88 | 1.7 | <.2 | <.2 | <.2 | 7.9 | <.2 | <.2 | <.2 | <.2 | <.2 |
| MO- 364 | 21N | 5E | 25 | 08-25-88 | <.2 | <.2 | <.2 | <.2 | .3 | <.2 | <.2 | <.2 | <.2 | <.2 |
| OUACHITA PARISH--CONTINUED | | | | | | | | | | | | | | |
| OU- 467 | 18N | 3E | 43 | 08-18-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| RAPIDES PARISH--CONTINUED | | | | | | | | | | | | | | |
| R- 910 | 2N | 3W | 14 | 08-01-88 | .2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| R- 932 | 2N | 3W | 22 | 08-19-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| R-1210 | 2N | 2W | 19 | 08-19-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| RICHLAND PARISH--CONTINUED | | | | | | | | | | | | | | |
| RI- 126 | 18N | 9E | 13 | 08-25-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| ST. CHARLES PARISH--CONTINUED | | | | | | | | | | | | | | |
| SC- 185 | 13S | 20E | 120 | 09-27-88 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| SC- 186 | 13S | 20E | 120 | 09-13-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| | | | | 09-27-88 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| SC- 187 | 14S | 20E | 120 | 09-13-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| | | | | 09-27-88 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| SC- 188 | 14S | 20E | 120 | 09-27-88 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| SC- 189 | 14S | 20E | 120 | 09-27-88 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| ST. TAMMANY PARISH--CONTINUED | | | | | | | | | | | | | | |
| ST- 532 | 8S | 12E | 43 | 08-15-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| TANGIPAHOA PARISH--CONTINUED | | | | | | | | | | | | | | |
| TA- 520 | 3S | 8E | 46 | 08-17-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| WASHINGTON PARISH--CONTINUED | | | | | | | | | | | | | | |
| WA- 107 | 2S | 12E | 16 | 08-16-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| WEBSTER PARISH--CONTINUED | | | | | | | | | | | | | | |
| WB- 241 | 23N | 11W | 14 | 08-17-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| WB- 269 | 19N | 9W | 28 | 08-16-88 | <.2 | <.2 | <.2 | .3 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |

| WELL NO. | LOCATION T. | R. | SEC. | DATE OF SAMPLE | METHYL-BROMIDE, TOTAL (UG/L) | METHYL-ENE CHLO-RIDE, TOTAL (UG/L) | 1,1,2,2 TETRA-CHLORO-ETHANE, TOTAL (UG/L) | TETRA-CHLORO-ETHYL-ENE, TOTAL (UG/L) | TOLUENE, TOTAL (UG/L) | 1,1,1-TRI-CHLORO-ETHANE, TOTAL (UG/L) | 1,1,2-TRI-CHLORO-ETHANE, TOTAL (UG/L) | TRI-CHLORO-ETHYL-ENE, TOTAL (UG/L) | TRI-CHLORO-FLUORO-METHANE, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BOSSIER PARISH--CONTINUED | | | | | | | | | | | | | |
| BO- 275 | 19N | 12W | 34 | 09-16-88 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 |
| CALCASIEU PARISH--CONTINUED | | | | | | | | | | | | | |
| CU- 696 | 9S | 9W | 16 | 08-08-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| CU- 771 | 10S | 9W | 5 | 06-14-88 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 |
| CALDWELL PARISH--CONTINUED | | | | | | | | | | | | | |
| CA- 129 | 13N | 4E | 17 | 08-18-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| DE SOTO PARISH--CONTINUED | | | | | | | | | | | | | |
| DS- 327 | 12N | 13W | 4 | 08-15-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| FRANKLIN PARISH--CONTINUED | | | | | | | | | | | | | |
| FR- 368 | 14N | 7E | 26 | 08-26-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| LAFAYETTE PARISH--CONTINUED | | | | | | | | | | | | | |
| LF- 520 | 9S | 5E | 135 | 08-01-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| LINCOLN PARISH--CONTINUED | | | | | | | | | | | | | |
| L- 32 | 18N | 2W | 19 | 08-17-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| MADISON PARISH--CONTINUED | | | | | | | | | | | | | |
| MA- 31 | 16N | 12E | 31 | 08-26-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| MOREHOUSE PARISH--CONTINUED | | | | | | | | | | | | | |
| MO- 363 | 21N | 5E | 25 | 08-02-88 | <.2 | <.2 | <.2 | .8 | <.2 | <.2 | <.2 | .2 | <.2 |
| MO- 364 | 21N | 5E | 25 | 08-25-88 | <.2 | <.2 | <.2 | 3.4 | <.2 | <.2 | <.2 | <.2 | <.2 |
| OUACHITA PARISH--CONTINUED | | | | | | | | | | | | | |
| OU- 467 | 18N | 3E | 43 | 08-18-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| RAPIDES PARISH--CONTINUED | | | | | | | | | | | | | |
| R- 910 | 2N | 3W | 14 | 08-01-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| R- 932 | 2N | 3W | 22 | 08-19-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| R-1210 | 2N | 2W | 19 | 08-19-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| RICHLAND PARISH--CONTINUED | | | | | | | | | | | | | |
| RI- 126 | 18N | 9E | 13 | 08-25-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| ST. CHARLES PARISH--CONTINUED | | | | | | | | | | | | | |
| SC- 185 | 13S | 20E | 120 | 09-27-88 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| SC- 186 | 13S | 20E | 120 | 09-13-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| | | | | 09-27-88 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| SC- 187 | 14S | 20E | 120 | 09-13-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| | | | | 09-27-88 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| SC- 188 | 14S | 20E | 120 | 09-27-88 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| SC- 189 | 14S | 20E | 120 | 09-27-88 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| ST. TAMMANY PARISH--CONTINUED | | | | | | | | | | | | | |
| ST- 532 | 8S | 12E | 43 | 08-15-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | -- | <.2 |
| TANGIPAHOA PARISH--CONTINUED | | | | | | | | | | | | | |
| TA- 520 | 3S | 8E | 46 | 08-17-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| WASHINGTON PARISH--CONTINUED | | | | | | | | | | | | | |
| WA- 107 | 2S | 12E | 16 | 08-16-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | .2 | <.2 |
| WEBSTER PARISH--CONTINUED | | | | | | | | | | | | | |
| WB- 241 | 23N | 11W | 14 | 08-17-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |
| WB- 269 | 19N | 9W | 28 | 08-16-88 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 | <.2 |

| WELL NO. | LOCATION T. | R. | SEC. | DATE OF SAMPLE | VINYL CHLO-RIDE, TOTAL (UG/L) | 1,2-DI-CHLORO-BENZENE, TOTAL (UG/L) | 1,3-DI-CHLORO-BENZENE, TOTAL (UG/L) | 1,4-DI-CHLORO-BENZENE, TOTAL (UG/L) | 1,2-DIBROMO ETHANE WATER WHOLE TOTAL (UG/L) | 1,2-DIBROMO ETHYL-ENE, TOTAL (UG/L) | METHYL-CHLO-RIDE, TOTAL (UG/L) | CIS 1,3-DI-CHLORO-PROPENE, TOTAL (UG/L) | TRANS-1 3-DI-CHLORO-PROPENE, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BOSSIER PARISH--CONTINUED | | | | | | | | | | | | | |
| BO- 275 | 19N | 12W | 34 | 08-16-88 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | -- | <0.2 | <0.2 | <0.2 |
| CALCASIEU PARISH--CONTINUED | | | | | | | | | | | | | |
| CU- 696 | 9S | 9W | 16 | 08-08-88 | <.2 | <.2 | <.2 | <.2 | -- | <0.2 | <.2 | <.2 | <.2 |
| CU- 771 | 10S | 9W | 5 | 06-14-88 | <10 | -- | -- | -- | -- | -- | <10 | <10 | <10 |
| CALDWELL PARISH--CONTINUED | | | | | | | | | | | | | |
| CA- 129 | 13N | 4E | 17 | 08-18-88 | <.2 | <.2 | <.2 | .2 | -- | <.2 | <.2 | <.2 | <.2 |
| DE SOTO PARISH--CONTINUED | | | | | | | | | | | | | |
| DS- 327 | 12N | 13W | 4 | 08-15-88 | <.2 | <.2 | <.2 | .2 | -- | <.2 | <.2 | <.2 | <.2 |
| FRANKLIN PARISH--CONTINUED | | | | | | | | | | | | | |
| FR- 368 | 14N | 7E | 26 | 08-26-88 | <.2 | <.2 | <.2 | <.2 | -- | <.2 | <.2 | <.2 | <.2 |
| LAFAYETTE PARISH--CONTINUED | | | | | | | | | | | | | |
| LF- 520 | 9S | 5E | 135 | 08-01-88 | <.2 | <.2 | <.2 | <.2 | -- | <.2 | <.2 | <.2 | <.2 |
| LINCOLN PARISH--CONTINUED | | | | | | | | | | | | | |
| L- 32 | 18N | 2W | 19 | 08-17-88 | <.2 | <.2 | <.2 | <.2 | -- | <.2 | <.2 | <.2 | <.2 |
| MADISON PARISH--CONTINUED | | | | | | | | | | | | | |
| MA- 31 | 16N | 12E | 31 | 08-26-88 | <.2 | <.2 | <.2 | <.2 | -- | <.2 | <.2 | <.2 | <.2 |
| MOREHOUSE PARISH--CONTINUED | | | | | | | | | | | | | |
| MO- 363 | 21N | 5E | 25 | 08-02-88 | <.2 | <.2 | <.2 | <.2 | -- | <.2 | <.2 | <.2 | <.2 |
| MO- 364 | 21N | 5E | 25 | 08-25-88 | <.2 | <.2 | <.2 | <.2 | -- | <.2 | <.2 | <.2 | <.2 |
| OUACHITA PARISH--CONTINUED | | | | | | | | | | | | | |
| OU- 467 | 18N | 3E | 43 | 08-18-88 | <.2 | <.2 | <.2 | .2 | -- | <.2 | <.2 | <.2 | <.2 |
| RAPIDES PARISH--CONTINUED | | | | | | | | | | | | | |
| R- 910 | 2N | 3W | 14 | 08-01-88 | <.2 | <.2 | <.2 | <.2 | -- | <.2 | <.2 | <.2 | <.2 |
| R- 932 | 2N | 3W | 22 | 08-19-88 | <.2 | <.2 | <.2 | <.2 | -- | <.2 | <.2 | <.2 | <.2 |
| R-1210 | 2N | 2W | 19 | 08-19-88 | <.2 | <.2 | <.2 | <.2 | -- | <.2 | <.2 | <.2 | <.2 |
| RICHLAND PARISH--CONTINUED | | | | | | | | | | | | | |
| RI- 126 | 18N | 9E | 13 | 08-25-88 | <.2 | <.2 | <.2 | <.2 | -- | < 2 | <.2 | <.2 | <.2 |
| ST. CHARLES PARISH--CONTINUED | | | | | | | | | | | | | |
| SC- 185 | 13S | 20E | 120 | 09-27-88 | -- | <5 | <5 | <5 | -- | -- | -- | -- | -- |
| SC- 186 | 13S | 20E | 120 | 09-13-88 | <.2 | <.2 | <.2 | <.2 | <.2 | -- | <.2 | <.2 | <.2 |
| | | | | 09-27-88 | -- | <5 | <5 | <5 | -- | -- | -- | -- | -- |
| SC- 187 | 14S | 20E | 120 | 09-13-88 | <.2 | <.2 | <.2 | <.2 | <.2 | -- | <.2 | <.2 | <.2 |
| | | | | 09-27-88 | -- | <5 | <5 | <5 | -- | -- | -- | -- | -- |
| SC- 188 | 14S | 20E | 120 | 09-27-88 | -- | <5 | <5 | <5 | -- | -- | -- | -- | -- |
| SC- 189 | 14S | 20E | 120 | 09-27-88 | -- | <5 | <5 | <5 | -- | -- | -- | -- | -- |
| ST. TAMMANY PARISH--CONTINUED | | | | | | | | | | | | | |
| ST- 532 | 8S | 12E | 43 | 08-15-88 | <.2 | <.2 | <.2 | <.2 | -- | <.2 | <.2 | <.2 | <.2 |
| TANGIPAHOA PARISH--CONTINUED | | | | | | | | | | | | | |
| TA- 520 | 3S | 8E | 46 | 08-17-88 | <.2 | <.2 | <.2 | <.2 | -- | <.2 | <.2 | <.2 | <.2 |
| WASHINGTON PARISH--CONTINUED | | | | | | | | | | | | | |
| WA- 107 | 2S | 12E | 16 | 08-16-88 | <.2 | <.2 | .2 | <.2 | -- | <.2 | <.2 | <.2 | <.2 |
| WEBSTER PARISH--CONTINUED | | | | | | | | | | | | | |
| WB- 241 | 23N | 11W | 14 | 08-17-88 | <.2 | <.2 | <.2 | <.2 | -- | <.2 | <.2 | <.2 | <.2 |
| WB- 269 | 19N | 9W | 28 | 08-16-88 | <.2 | <.2 | <.2 | <.2 | -- | <.2 | <.2 | <.2 | <.2 |

| WELL NO. | LOCATION | | | DATE OF SAMPLE | STYRENE, TOTAL (UG/L) | XYLENE, TOTAL WATER WHOLE TOT REC (UG/L) | PARA-CHLORO-META CRESOL, TOTAL (UG/L) | 2-CHLORO-PHENOL, TOTAL (UG/L) | 2,4-DI-CHLORO-PHENOL, TOTAL (UG/L) | 2,4,6-TRI-CHLORO-PHENOL, TOTAL (UG/L) | 2,4-DI-METHYL-PHENOL, TOTAL (UG/L) | 4,6-DINITRO-ORTHO-CRESOL, TOTAL (UG/L) | 2,4,-DI-NITRO-PHENOL, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | T. | R. | SEC. | | | | | | | | | | |
| | | | | | BOSSIER PARISH--CONTINUED | | | | | | | | |
| BO- 275 | 19N | 12W | 34 | 08-16-88 | <0.2 | <0.2 | <30 | <5 | <5 | <20 | <5 | <30 | <20 |
| | | | | | CALCASIEU PARISH--CONTINUED | | | | | | | | |
| CU- 696 | 9S | 9W | 16 | 08-08-88 | <.2 | <.2 | <30 | <5 | <5 | <20 | <5 | <30 | <20 |
| CU- 771 | 10S | 9W | 5 | 06-14-88 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | | CALDWELL PARISH--CONTINUED | | | | | | | | |
| CA- 129 | 13N | 4E | 17 | 08-18-88 | <.2 | <.2 | <30 | <5 | <5 | <20 | <5 | <30 | <20 |
| | | | | | DE SOTO PARISH--CONTINUED | | | | | | | | |
| DS- 327 | 12N | 13W | 4 | 08-15-88 | <.2 | <.2 | <30 | <5 | <5 | <20 | <5 | <30 | <20 |
| | | | | | FRANKLIN PARISH--CONTINUED | | | | | | | | |
| FR- 368 | 14N | 7E | 26 | 08-26-88 | <.2 | <.2 | <30 | <5 | <5 | <20 | <5 | <30 | <20 |
| | | | | | LAFAYETTE PARISH--CONTINUED | | | | | | | | |
| LF- 520 | 9S | 5E | 135 | 08-01-88 | <.2 | <.2 | <30 | <5 | <5 | <20 | <5 | <30 | <20 |
| | | | | | LINCOLN PARISH--CONTINUED | | | | | | | | |
| L- 32 | 18N | 2W | 19 | 08-17-88 | <.2 | <.2 | <30 | <5 | <5 | <20 | <5 | <30 | <20 |
| | | | | | MADISON PARISH--CONTINUED | | | | | | | | |
| MA- 31 | 16N | 12E | 31 | 08-26-88 | <.2 | <.2 | <30 | <5 | <5 | <20 | <5 | <30 | <20 |
| | | | | | MOREHOUSE PARISH--CONTINUED | | | | | | | | |
| MO- 363 | 21N | 5E | 25 | 08-02-88 | <.2 | <.2 | <30 | <5 | <5 | <20 | <5 | <30 | <20 |
| MO- 364 | 21N | 5E | 25 | 08-25-88 | <.2 | <.2 | <30 | <5 | <5 | <20 | <5 | <30 | <20 |
| | | | | | OUACHITA PARISH--CONTINUED | | | | | | | | |
| OU- 467 | 18N | 3E | 43 | 08-18-88 | <.2 | <.2 | <30 | <5 | <5 | <20 | <5 | <30 | <20 |
| | | | | | RAPIDES PARISH--CONTINUED | | | | | | | | |
| R- 910 | 2N | 3W | 14 | 08-01-88 | <.2 | <.2 | <30 | <5 | <5 | <20 | <5 | <30 | <20 |
| R- 932 | 2N | 3W | 22 | 08-19-88 | <.2 | <.2 | <30 | <5 | <5 | <20 | <5 | <30 | <20 |
| R-1210 | 2N | 2W | 19 | 08-19-88 | <.2 | <.2 | <30 | <5 | <5 | <20 | <5 | <30 | <20 |
| | | | | | RICHLAND PARISH--CONTINUED | | | | | | | | |
| RI- 126 | 18N | 9E | 13 | 08-25-88 | <.2 | <.2 | <30 | <5 | <5 | <20 | <5 | <30 | <20 |
| | | | | | ST. CHARLES PARISH--CONTINUED | | | | | | | | |
| SC- 185 | 13S | 20E | 120 | 09-27-88 | -- | -- | <30 | <5 | <5 | <20 | <5 | <30 | <20 |
| SC- 186 | 13S | 20E | 120 | 09-13-88 | <.2 | <.2 | -- | -- | -- | -- | -- | -- | -- |
| | | | | 09-27-88 | -- | -- | <30 | <5 | <5 | <20 | <5 | <30 | <20 |
| SC- 187 | 14S | 20E | 120 | 09-13-88 | <.2 | <.2 | -- | -- | -- | -- | -- | -- | -- |
| | | | | 09-27-88 | -- | -- | <30 | <5 | <5 | <20 | <5 | <30 | <20 |
| SC- 188 | 14S | 20E | 120 | 09-27-88 | -- | -- | <30 | <5 | <5 | <20 | <5 | <30 | <20 |
| SC- 189 | 14S | 20E | 120 | 09-27-88 | -- | -- | <30 | <5 | <5 | <20 | <5 | <30 | <20 |
| | | | | | ST. TAMMANY PARISH--CONTINUED | | | | | | | | |
| ST- 532 | 8S | 12E | 43 | 08-15-88 | <.2 | <.2 | <30 | <5 | <5 | <20 | <5 | <30 | <20 |
| | | | | | TANGIPAHOA PARISH--CONTINUED | | | | | | | | |
| TA- 520 | 3S | 8E | 46 | 08-17-88 | <.2 | <.2 | <30 | <5 | <5 | <20 | <5 | <30 | <20 |
| | | | | | WASHINGTON PARISH--CONTINUED | | | | | | | | |
| WA- 107 | 2S | 12E | 16 | 08-16-88 | <.2 | <.2 | <30 | <5 | <5 | <20 | <5 | <30 | <20 |
| | | | | | WEBSTER PARISH--CONTINUED | | | | | | | | |
| WB- 241 | 23N | 11W | 14 | 08-17-88 | <.2 | <.2 | <30 | <5 | <5 | <20 | <5 | <30 | <20 |
| WB- 269 | 19N | 9W | 28 | 08-16-88 | <.2 | <.2 | <30 | <5 | <5 | <20 | <5 | <30 | <20 |

| WELL NO. | LOCATION T. | LOCATION R. | LOCATION SEC. | DATE OF SAMPLE | 2-NITROPHENOL, TOTAL (UG/L) | 4-NITROPHENOL, TOTAL (UG/L) | PENTACHLOROPHENOL, TOTAL (UG/L) | FORMALDEHYDE, TOTAL (MG/L) | PHENOL (C6H5OH), TOTAL (UG/L) | ACENAPHTHENE, TOTAL (UG/L) | ACENAPHTHYLENE, TOTAL (UG/L) | ANTHRACENE, TOTAL (UG/L) | BENZIDINE, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BOSSIER PARISH--CONTINUED | | | | | | | | | | | | | |
| BO- 275 | 19N | 12W | 34 | 08-16-88 | <5 | <30 | <30 | -- | <5 | <5 | <5 | <5 | <50 |
| CALCASIEU PARISH--CONTINUED | | | | | | | | | | | | | |
| CU- 696 | 9S | 9W | 16 | 08-08-88 | <5 | <30 | <30 | -- | <5 | <5 | <5 | <5 | <50 |
| CU- 771 | 10S | 9W | 5 | 06-14-88 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| CALDWELL PARISH--CONTINUED | | | | | | | | | | | | | |
| CA- 129 | 13N | 4E | 17 | 08-18-88 | <5 | <30 | <30 | -- | <5 | <5 | <5 | <5 | <50 |
| DE SOTO PARISH--CONTINUED | | | | | | | | | | | | | |
| DS- 327 | 12N | 13W | 4 | 08-15-88 | <5 | <30 | <30 | -- | <5 | <5 | <5 | <5 | <50 |
| FRANKLIN PARISH--CONTINUED | | | | | | | | | | | | | |
| FR- 368 | 14N | 7E | 26 | 08-26-88 | <5 | <30 | <30 | -- | <5 | <5 | <5 | <5 | <50 |
| LAFAYETTE PARISH--CONTINUED | | | | | | | | | | | | | |
| LF- 520 | 9S | 5E | 135 | 08-01-88 | <5 | <30 | <30 | -- | <5 | <5 | <5 | <5 | <50 |
| LINCOLN PARISH--CONTINUED | | | | | | | | | | | | | |
| L- 32 | 18N | 2W | 19 | 08-17-88 | <5 | <30 | <30 | -- | <5 | <5 | <5 | <5 | <50 |
| MADISON PARISH--CONTINUED | | | | | | | | | | | | | |
| MA- 31 | 16N | 12E | 31 | 08-26-88 | <5 | <30 | <30 | -- | <5 | <5 | <5 | <5 | <50 |
| MOREHOUSE PARISH--CONTINUED | | | | | | | | | | | | | |
| MO- 363 | 21N | 5E | 25 | 08-02-88 | <5 | <30 | <30 | -- | <5 | <5 | <5 | <5 | <50 |
| MO- 364 | 21N | 5E | 25 | 08-25-88 | <5 | <30 | <30 | -- | <5 | <5 | <5 | <5 | <50 |
| OUACHITA PARISH--CONTINUED | | | | | | | | | | | | | |
| OU- 467 | 18N | 3E | 43 | 08-18-88 | <5 | <30 | <30 | -- | <5 | <5 | <5 | <5 | <50 |
| RAPIDES PARISH--CONTINUED | | | | | | | | | | | | | |
| R- 910 | 2N | 3W | 14 | 08-01-88 | <5 | <30 | <30 | -- | <5 | <5 | <5 | <5 | <50 |
| R- 932 | 2N | 3W | 22 | 08-19-88 | <5 | <30 | <30 | -- | <5 | <5 | <5 | <5 | <50 |
| R-1210 | 2N | 2W | 19 | 08-19-88 | <5 | <30 | <30 | -- | <5 | <5 | <5 | <5 | <50 |
| RICHLAND PARISH--CONTINUED | | | | | | | | | | | | | |
| RI- 126 | 18N | 9E | 13 | 08-25-88 | <5 | <30 | <30 | -- | <5 | <5 | <5 | <5 | <50 |
| ST. CHARLES PARISH--CONTINUED | | | | | | | | | | | | | |
| SC- 185 | 13S | 20E | 120 | 09-27-88 | <5 | <30 | <30 | <1 | <5 | <5 | <5 | <5 | <50 |
| SC- 186 | 13S | 20E | 120 | 09-13-88 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | 09-27-88 | <5 | <30 | <30 | <1 | <5 | <5 | <5 | <5 | <50 |
| SC- 187 | 14S | 20E | 120 | 09-13-88 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | 09-27-88 | <5 | <30 | <30 | <1 | <5 | <5 | <5 | <5 | <50 |
| SC- 188 | 14S | 20E | 120 | 09-27-88 | <5 | <30 | <30 | <1 | <5 | <5 | <5 | <5 | <50 |
| SC- 189 | 14S | 20E | 120 | 09-27-88 | <5 | <30 | <30 | <1 | <5 | <5 | <5 | <5 | <50 |
| ST. TAMMANY PARISH--CONTINUED | | | | | | | | | | | | | |
| ST- 532 | 8S | 12E | 43 | 08-15-88 | <5 | <30 | <30 | -- | <5 | <5 | <5 | <5 | <50 |
| TANGIPAHOA PARISH--CONTINUED | | | | | | | | | | | | | |
| TA- 520 | 3S | 8E | 46 | 08-17-88 | <5 | <30 | <30 | -- | <5 | <5 | <5 | <5 | <50 |
| WASHINGTON PARISH--CONTINUED | | | | | | | | | | | | | |
| WA- 107 | 2S | 12E | 16 | 08-16-88 | <5 | <30 | <30 | -- | <5 | <5 | <5 | <5 | <50 |
| WEBSTER PARISH--CONTINUED | | | | | | | | | | | | | |
| WB- 241 | 23N | 11W | 14 | 08-17-88 | <5 | <30 | <30 | -- | <5 | <5 | <5 | <5 | <50 |
| WB- 269 | 19N | 9W | 28 | 08-16-88 | <5 | <30 | <30 | -- | <5 | <5 | <5 | <5 | <50 |

| WELL NO. | LOCATION T. | R. | SEC. | DATE OF SAMPLE | BENZO A ANTHRACENE1,2-BENZANTHRACENE, TOTAL (UG/L) | BENZO B FLUORANTHENE, TOTAL (UG/L) | BENZO K FLUORANTHENE, TOTAL (UG/L) | BENZO-A-PYRENE, TOTAL (UG/L) | BENZOGHI PERYLENE1,12-BENZOPERYLENE, TOTAL (UG/L) | N-BUTYL BENZYL PHTHALATE, TOTAL (UG/L) | BIS (2-CHLOROETHOXY) METHANE, TOTAL (UG/L) | BIS 2-CHLOROETHYL ETHER, TOTAL (UG/L) | BIS (2-CHLOROISOPROPYL) ETHER, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BOSSIER PARISH--CONTINUED | | | | | | | | | | | | | |
| BO- 275 | 19N | 12W | 34 | 08-16-88 | <5 | <10 | <10 | <10 | <10 | <5 | <5 | <5 | <5 |
| CALCASIEU PARISH--CONTINUED | | | | | | | | | | | | | |
| CU- 696 | 9S | 9W | 16 | 08-08-88 | <5 | <10 | <10 | <10 | <10 | <5 | <5 | <5 | <5 |
| CU- 771 | 10S | 9W | 5 | 06-14-88 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| CALDWELL PARISH--CONTINUED | | | | | | | | | | | | | |
| CA- 129 | 13N | 4E | 17 | 08-18-88 | <5 | <10 | <10 | <10 | <10 | <5 | <5 | <5 | <5 |
| DE SOTO PARISH--CONTINUED | | | | | | | | | | | | | |
| DS- 327 | 12N | 13W | 4 | 08-15-88 | <5 | <10 | <10 | <10 | <10 | <5 | <5 | <5 | <5 |
| FRANKLIN PARISH--CONTINUED | | | | | | | | | | | | | |
| FR- 368 | 14N | 7E | 26 | 08-26-88 | <5 | <10 | <10 | <10 | <10 | <5 | <5 | <5 | <5 |
| LAFAYETTE PARISH--CONTINUED | | | | | | | | | | | | | |
| LF- 520 | 9S | 5E | 135 | 08-01-88 | <5 | <10 | <10 | <10 | <10 | <5 | <5 | <5 | <5 |
| LINCOLN PARISH--CONTINUED | | | | | | | | | | | | | |
| L- 32 | 18N | 2W | 19 | 08-17-88 | <5 | <10 | <10 | <10 | <10 | <5 | <5 | <5 | <5 |
| MADISON PARISH--CONTINUED | | | | | | | | | | | | | |
| MA- 31 | 16N | 12E | 31 | 08-26-88 | <5 | <10 | <10 | <10 | <10 | <5 | <5 | <5 | <5 |
| MOREHOUSE PARISH--CONTINUED | | | | | | | | | | | | | |
| MO- 363 | 21N | 5E | 25 | 08-02-88 | <5 | <10 | <10 | <10 | <10 | <5 | <5 | <5 | <5 |
| MO- 364 | 21N | 5E | 25 | 08-25-88 | <5 | <10 | <10 | <10 | <10 | <5 | <5 | <5 | <5 |
| OUACHITA PARISH--CONTINUED | | | | | | | | | | | | | |
| OU- 467 | 18N | 3E | 43 | 08-18-88 | <5 | <10 | <10 | <10 | <10 | <5 | <5 | <5 | <5 |
| RAPIDES PARISH--CONTINUED | | | | | | | | | | | | | |
| R- 910 | 2N | 3W | 14 | 08-01-88 | <5 | <10 | <10 | <10 | <10 | <5 | <5 | <5 | <5 |
| R- 932 | 2N | 3W | 22 | 08-19-88 | <5 | <10 | <10 | <10 | <10 | <5 | <5 | <5 | <5 |
| R-1210 | 2N | 2W | 19 | 08-19-88 | <5 | <10 | <10 | <10 | <10 | <5 | <5 | <5 | <5 |
| RICHLAND PARISH--CONTINUED | | | | | | | | | | | | | |
| RI- 126 | 18N | 9E | 13 | 08-25-88 | <5 | <10 | <10 | <10 | <10 | <5 | <5 | <5 | <5 |
| ST. CHARLES PARISH--CONTINUED | | | | | | | | | | | | | |
| SC- 185 | 13S | 20E | 120 | 09-27-88 | <5 | <10 | <10 | <10 | <10 | <5 | <5 | <5 | <5 |
| SC- 186 | 13S | 20E | 120 | 09-13-88 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | 09-27-88 | <5 | <10 | <10 | <10 | <10 | <5 | <5 | <5 | <5 |
| SC- 187 | 14S | 20E | 120 | 09-13-88 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | 09-27-88 | <5 | <10 | <10 | <10 | <10 | <5 | <5 | <5 | <5 |
| SC- 188 | 14S | 20E | 120 | 09-27-88 | <5 | <10 | <10 | <10 | <10 | <5 | <5 | <5 | <5 |
| SC- 189 | 14S | 20E | 120 | 09-27-88 | <5 | <10 | <10 | <10 | <10 | <5 | <5 | <5 | <5 |
| ST. TAMMANY PARISH--CONTINUED | | | | | | | | | | | | | |
| ST- 532 | 8S | 12E | 43 | 08-15-88 | <5 | <10 | <10 | <10 | <10 | <5 | <5 | <5 | <5 |
| TANGIPAHOA PARISH--CONTINUED | | | | | | | | | | | | | |
| TA- 520 | 3S | 8E | 46 | 08-17-88 | <5 | <10 | <10 | <10 | <10 | <5 | <5 | <5 | <5 |
| WASHINGTON PARISH--CONTINUED | | | | | | | | | | | | | |
| WA- 107 | 2S | 12E | 16 | 08-16-88 | <5 | <10 | <10 | <10 | <10 | <5 | <5 | <5 | <5 |
| WEBSTER PARISH--CONTINUED | | | | | | | | | | | | | |
| WB- 241 | 23N | 11W | 14 | 08-17-88 | <5 | <10 | <10 | <10 | <10 | <5 | <5 | <5 | <5 |
| WB- 269 | 19N | 9W | 28 | 08-16-88 | <5 | <10 | <10 | <10 | <10 | <5 | <5 | <5 | <5 |

| WELL NO. | LOCATION | | | DATE OF SAMPLE | 4-BROMOPHENYL PHENYL ETHER, TOTAL (UG/L) | 2-CHLORONAPHTHALENE, TOTAL (UG/L) | 4-CHLOROPHENYL PHENYL ETHER, TOTAL (UG/L) | CHRYSENE, TOTAL (UG/L) | 1,2,5,6-DIBENZANTHRACENE, TOTAL (UG/L) | DI-N-BUTYL PHTHALATE, TOTAL (UG/L) | 3,3'-DICHLOROBENZIDINE, TOTAL (UG/L) | DIETHYL PHTHALATE, TOTAL (UG/L) | DIMETHYL PHTHALATE, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | T. | R. | SEC. | | | | | | | | | | |
| BOSSIER PARISH--CONTINUED | | | | | | | | | | | | | |
| BO- 275 | 19N | 12W | 34 | 08-16-88 | <5 | <5 | <5 | <10 | <10 | <5 | <25 | 14 | <5 |
| CALCASIEU PARISH--CONTINUED | | | | | | | | | | | | | |
| CU- 696 | 9S | 9W | 16 | 08-08-88 | <5 | <5 | <5 | <10 | <10 | <5 | <25 | <5 | <5 |
| CU- 771 | 10S | 9W | 5 | 06-14-88 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| CALDWELL PARISH--CONTINUED | | | | | | | | | | | | | |
| CA- 129 | 13N | 4E | 17 | 08-18-88 | <5 | <5 | <5 | <10 | <10 | <5 | <25 | <5 | <5 |
| DE SOTO PARISH--CONTINUED | | | | | | | | | | | | | |
| DS- 327 | 12N | 13W | 4 | 08-15-88 | <5 | <5 | <5 | <10 | <10 | <5 | <25 | <5 | <5 |
| FRANKLIN PARISH--CONTINUED | | | | | | | | | | | | | |
| FR- 368 | 14N | 7E | 26 | 08-26-88 | <5 | <5 | <5 | <10 | <10 | <5 | <25 | <5 | <5 |
| LAFAYETTE PARISH--CONTINUED | | | | | | | | | | | | | |
| LF- 520 | 9S | 5E | 135 | 08-01-88 | <5 | <5 | <5 | <10 | <10 | <5 | <25 | <5 | <5 |
| LINCOLN PARISH--CONTINUED | | | | | | | | | | | | | |
| L- 32 | 18N | 2W | 19 | 08-17-88 | <5 | <5 | <5 | <10 | <10 | <5 | <25 | <5 | <5 |
| MADISON PARISH--CONTINUED | | | | | | | | | | | | | |
| MA- 31 | 16N | 12E | 31 | 08-26-88 | <5 | <5 | <5 | <10 | <10 | <5 | <25 | <5 | <5 |
| MOREHOUSE PARISH--CONTINUED | | | | | | | | | | | | | |
| MO- 363 | 21N | 5E | 25 | 08-02-88 | <5 | <5 | <5 | <10 | <10 | <5 | <25 | <5 | <5 |
| MO- 364 | 21N | 5E | 25 | 08-25-88 | <5 | <5 | <5 | <10 | <10 | <5 | <25 | <5 | <5 |
| OUACHITA PARISH--CONTINUED | | | | | | | | | | | | | |
| OU- 467 | 18N | 3E | 43 | 08-18-88 | <5 | <5 | <5 | <10 | <10 | <5 | <25 | <5 | <5 |
| RAPIDES PARISH--CONTINUED | | | | | | | | | | | | | |
| R- 910 | 2N | 3W | 14 | 08-01-88 | <5 | <5 | <5 | <10 | <10 | <5 | <25 | <5 | <5 |
| R- 932 | 2N | 3W | 22 | 08-19-88 | <5 | <5 | <5 | <10 | <10 | <5 | <25 | <5 | <5 |
| R-1210 | 2N | 2W | 19 | 08-19-88 | <5 | <5 | <5 | <10 | <10 | <5 | <25 | <5 | <5 |
| RICHLAND PARISH--CONTINUED | | | | | | | | | | | | | |
| RI- 126 | 18N | 9E | 13 | 08-25-88 | <5 | <5 | <5 | <10 | <10 | <5 | <25 | <5 | <5 |
| ST. CHARLES PARISH--CONTINUED | | | | | | | | | | | | | |
| SC- 185 | 13S | 20E | 120 | 09-27-88 | <5 | <5 | <5 | <10 | <10 | <5 | <25 | <5 | <5 |
| SC- 186 | 13S | 20E | 120 | 09-13-88 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | 09-27-88 | <5 | <5 | <5 | <10 | <10 | <5 | <25 | <5 | <5 |
| SC- 187 | 14S | 20E | 120 | 09-13-88 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | 09-27-88 | <5 | <5 | <5 | <10 | <10 | <5 | <25 | <5 | <5 |
| SC- 188 | 14S | 20E | 120 | 09-27-88 | <5 | <5 | <5 | <10 | <10 | <5 | <25 | <5 | <5 |
| SC- 189 | 14S | 20E | 120 | 09-27-88 | <5 | <5 | <5 | <10 | <10 | <5 | <25 | <5 | <5 |
| ST. TAMMANY PARISH--CONTINUED | | | | | | | | | | | | | |
| ST- 532 | 8S | 12E | 43 | 08-15-88 | <5 | <5 | <5 | <10 | <10 | <5 | <25 | <5 | <5 |
| TANGIPAHOA PARISH--CONTINUED | | | | | | | | | | | | | |
| TA- 520 | 3S | 8E | 46 | 08-17-88 | <5 | <5 | <5 | <10 | <10 | <5 | <25 | <5 | <5 |
| WASHINGTON PARISH--CONTINUED | | | | | | | | | | | | | |
| WA- 107 | 2S | 12E | 16 | 08-16-88 | <5 | <5 | <5 | <10 | <10 | <5 | <25 | <5 | <5 |
| WEBSTER PARISH--CONTINUED | | | | | | | | | | | | | |
| WB- 241 | 23N | 11W | 14 | 08-17-88 | <5 | <5 | <5 | <10 | <10 | <5 | <25 | <5 | <5 |
| WB- 269 | 19N | 9W | 28 | 08-16-88 | <5 | <5 | <5 | <10 | <10 | <5 | <25 | <5 | <5 |

| WELL NO. | LOCATION T. | R. | SEC. | DATE OF SAMPLE | 2,4-DI-NITRO-TOLUENE, TOTAL (UG/L) | 2,6-DI-NITRO-TOLUENE, TOTAL (UG/L) | DI-N-OCTYL PHTHAL-ATE, TOTAL (UG/L) | BIS(2-ETHYL HEXYL) PHTHAL-ATE, TOTAL (UG/L) | FLUOR-ENE, TOTAL (UG/L) | FLUOR-ANTHENE, TOTAL (UG/L) | HEXA-CHLORO-BENZENE, TOTAL (UG/L) | HEXA-CHLORO-BUT-ADIENE, TOTAL (UG/L) | HEXA-CHLORO-CYCLO-PENT-ADIENE, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **BOSSIER PARISH--CONTINUED** | | | | | | | | | | | | | |
| BO- 275 | 19N | 12W | 34 | 08-16-88 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 |
| **CALCASIEU PARISH--CONTINUED** | | | | | | | | | | | | | |
| CU- 696 | 9S | 9W | 16 | 08-08-88 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 |
| CU- 771 | 10S | 9W | 5 | 06-14-88 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| **CALDWELL PARISH--CONTINUED** | | | | | | | | | | | | | |
| CA- 129 | 13N | 4E | 17 | 08-18-88 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 |
| **DE SOTO PARISH--CONTINUED** | | | | | | | | | | | | | |
| DS- 327 | 12N | 13W | 4 | 08-15-88 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 |
| **FRANKLIN PARISH--CONTINUED** | | | | | | | | | | | | | |
| FR- 368 | 14N | 7E | 26 | 08-26-88 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 |
| **LAFAYETTE PARISH--CONTINUED** | | | | | | | | | | | | | |
| LF- 520 | 9S | 5E | 135 | 08-01-88 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 |
| **LINCOLN PARISH--CONTINUED** | | | | | | | | | | | | | |
| L- 32 | 18N | 2W | 19 | 08-17-88 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 |
| **MADISON PARISH--CONTINUED** | | | | | | | | | | | | | |
| MA- 31 | 16N | 12E | 31 | 08-26-88 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 |
| **MOREHOUSE PARISH--CONTINUED** | | | | | | | | | | | | | |
| MO- 363 | 21N | 5E | 25 | 08-02-88 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 |
| MO- 364 | 21N | 5E | 25 | 08-25-88 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 |
| **OUACHITA PARISH--CONTINUED** | | | | | | | | | | | | | |
| OU- 467 | 18N | 3E | 43 | 08-18-88 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 |
| **RAPIDES PARISH--CONTINUED** | | | | | | | | | | | | | |
| R- 910 | 2N | 3W | 14 | 08-01-88 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 |
| R- 932 | 2N | 3W | 22 | 08-19-88 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 |
| R-1210 | 2N | 2W | 19 | 08-19-88 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 |
| **RICHLAND PARISH--CONTINUED** | | | | | | | | | | | | | |
| RI- 126 | 18N | 9E | 13 | 08-25-88 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 |
| **ST. CHARLES PARISH--CONTINUED** | | | | | | | | | | | | | |
| SC- 185 | 13S | 20E | 120 | 09-27-88 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 |
| SC- 186 | 13S | 20E | 120 | 09-13-88 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | 09-27-88 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 |
| SC- 187 | 14S | 20E | 120 | 09-13-88 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | 09-27-88 | <5 | <5 | -- | -- | <5 | <5 | <5 | <5 | <5 |
| SC- 188 | 14S | 20E | 120 | 09-27-88 | <5 | <5 | <10 | 8 | <5 | <5 | <5 | <5 | <5 |
| SC- 189 | 14S | 20E | 120 | 09-27-88 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 |
| **ST. TAMMANY PARISH--CONTINUED** | | | | | | | | | | | | | |
| ST- 532 | 8S | 12E | 43 | 08-15-88 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 |
| **TANGIPAHOA PARISH--CONTINUED** | | | | | | | | | | | | | |
| TA- 520 | 3S | 8E | 46 | 08-17-88 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 |
| **WASHINGTON PARISH--CONTINUED** | | | | | | | | | | | | | |
| WA- 107 | 2S | 12E | 16 | 08-16-88 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 |
| **WEBSTER PARISH--CONTINUED** | | | | | | | | | | | | | |
| WB- 241 | 23N | 11W | 14 | 08-17-88 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 |
| WB- 269 | 19N | 9W | 28 | 08-16-88 | <5 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 |

| WELL NO. | LOCATION T. | R. | SEC. | DATE OF SAMPLE | HEXA-CHLORO-ETHANE, TOTAL (UG/L) | INDENO (1,2,3-CD) PYRENE, TOTAL (UG/L) | ISO-PHORONE, TOTAL (UG/L) | NAPHTH-ALENE, TOTAL (UG/L) | NITRO-BENZENE, TOTAL (UG/L) | N-NITRO -SODI-METHY-LAMINE, TOTAL (UG/L) | N-NITRO -SODI-PHENY-LAMINE, TOTAL (UG/L) | N-NITRO-SODI-N-PROPYL-AMINE, TOTAL (UG/L) | PHENAN-THRENE, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BOSSIER PARISH--CONTINUED | | | | | | | | | | | | | |
| BO- 275 | 19N | 12W | 34 | 08-16-88 | <5 | <10 | <5 | <5 | <5 | -- | <5 | <5 | <5 |
| CALCASIEU PARISH--CONTINUED | | | | | | | | | | | | | |
| CU- 696 | 9S | 9W | 16 | 08-08-88 | <5 | <10 | <5 | <5 | <5 | -- | <5 | <5 | <5 |
| CU- 771 | 10S | 9W | 5 | 06-14-88 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| CALDWELL PARISH--CONTINUED | | | | | | | | | | | | | |
| CA- 129 | 13N | 4E | 17 | 08-18-88 | <5 | <10 | <5 | <5 | <5 | -- | <5 | <5 | <5 |
| DE SOTO PARISH--CONTINUED | | | | | | | | | | | | | |
| DS- 327 | 12N | 13W | 4 | 08-15-88 | <5 | <10 | <5 | <5 | <5 | -- | <5 | <5 | <5 |
| FRANKLIN PARISH--CONTINUED | | | | | | | | | | | | | |
| FR- 368 | 14N | 7E | 26 | 08-26-88 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| LAFAYETTE PARISH--CONTINUED | | | | | | | | | | | | | |
| LF- 520 | 9S | 5E | 135 | 08-01-88 | <5 | <10 | <5 | <5 | <5 | -- | <5 | <5 | <5 |
| LINCOLN PARISH--CONTINUED | | | | | | | | | | | | | |
| L- 32 | 18N | 2W | 19 | 08-17-88 | <5 | <10 | <5 | <5 | <5 | -- | <5 | <5 | <5 |
| MADISON PARISH--CONTINUED | | | | | | | | | | | | | |
| MA- 31 | 16N | 12E | 31 | 08-26-88 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| MOREHOUSE PARISH--CONTINUED | | | | | | | | | | | | | |
| MO- 363 | 21N | 5E | 25 | 08-02-88 | <5 | <10 | <5 | <5 | <5 | -- | <5 | <5 | <5 |
| MO- 364 | 21N | 5E | 25 | 08-25-88 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| OUACHITA PARISH--CONTINUED | | | | | | | | | | | | | |
| OU- 467 | 18N | 3E | 43 | 08-18-88 | <5 | <10 | <5 | <5 | <5 | -- | <5 | <5 | <5 |
| RAPIDES PARISH--CONTINUED | | | | | | | | | | | | | |
| R- 910 | 2N | 3W | 14 | 08-01-88 | <5 | <10 | <5 | <5 | <5 | -- | <5 | <5 | <5 |
| R- 932 | 2N | 3W | 22 | 08-19-88 | <5 | <10 | <5 | <5 | <5 | -- | <5 | <5 | <5 |
| R-1210 | 2N | 2W | 19 | 08-19-88 | <5 | <10 | <5 | <5 | <5 | -- | <5 | <5 | <5 |
| RICHLAND PARISH--CONTINUED | | | | | | | | | | | | | |
| RI- 126 | 18N | 9E | 13 | 08-25-88 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| ST. CHARLES PARISH--CONTINUED | | | | | | | | | | | | | |
| SC- 185 | 13S | 20E | 120 | 09-27-88 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| SC- 186 | 13S | 20E | 120 | 09-13-88 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | 09-27-88 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| SC- 187 | 14S | 20E | 120 | 09-13-88 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | 09-27-88 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| SC- 188 | 14S | 20E | 120 | 09-27-88 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| SC- 189 | 14S | 20E | 120 | 09-27-88 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| ST. TAMMANY PARISH--CONTINUED | | | | | | | | | | | | | |
| ST- 532 | 8S | 12E | 43 | 08-15-88 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| TANGIPAHOA PARISH--CONTINUED | | | | | | | | | | | | | |
| TA- 520 | 3S | 8E | 46 | 08-17-88 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| WASHINGTON PARISH--CONTINUED | | | | | | | | | | | | | |
| WA- 107 | 2S | 12E | 16 | 08-16-88 | <5 | <10 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| WEBSTER PARISH--CONTINUED | | | | | | | | | | | | | |
| WB- 241 | 23N | 11W | 14 | 08-17-88 | <5 | <10 | <5 | <5 | <5 | -- | <5 | <5 | <5 |
| WB- 269 | 19N | 9W | 28 | 08-16-88 | <5 | <10 | <5 | <5 | <5 | -- | <5 | <5 | <5 |

| WELL NO. | LOCATION T. | R. | SEC. | DATE OF SAMPLE | PYRENE, TOTAL (UG/L) | 1,2,4-TRI-CHLORO-BENZENE, TOTAL (UG/L) | AROCLOR 1016 PCB, TOTAL (UG/L) | AROCLOR 1221 PCB, TOTAL (UG/L) | AROCLOR 1232 PCB, TOTAL (UG/L) | AROCLOR 1242 PCB, TOTAL (UG/L) | AROCLOR 1248 PCB, TOTAL (UG/L) | AROCLOR 1254 PCB, TOTAL (UG/L) | AROCLOR 1260 PCB, TOTAL (UG/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BOSSIER PARISH--CONTINUED | | | | | | | | | | | | | |
| BO- 275 | 19N | 12W | 34 | 08-16-88 | <5 | <5 | -- | -- | -- | -- | -- | -- | -- |
| CALCASIEU PARISH--CONTINUED | | | | | | | | | | | | | |
| CU- 696 | 9S | 9W | 16 | 08-08-88 | <5 | <5 | -- | -- | -- | -- | -- | -- | -- |
| CU- 771 | 10S | 9W | 5 | 06-14-88 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| CALDWELL PARISH--CONTINUED | | | | | | | | | | | | | |
| CA- 129 | 13N | 4E | 17 | 08-18-88 | <5 | <5 | -- | -- | -- | -- | -- | -- | -- |
| DE SOTO PARISH--CONTINUED | | | | | | | | | | | | | |
| DS- 327 | 12N | 13W | 4 | 08-15-88 | <5 | <5 | -- | -- | -- | -- | -- | -- | -- |
| FRANKLIN PARISH--CONTINUED | | | | | | | | | | | | | |
| FR- 368 | 14N | 7E | 26 | 08-26-88 | <5 | <5 | -- | -- | -- | -- | -- | -- | -- |
| LAFAYETTE PARISH--CONTINUED | | | | | | | | | | | | | |
| LF- 520 | 9S | 5E | 135 | 08-01-88 | <5 | <5 | -- | -- | -- | -- | -- | -- | -- |
| LINCOLN PARISH--CONTINUED | | | | | | | | | | | | | |
| L- 32 | 18N | 2W | 19 | 08-17-88 | <5 | <5 | -- | -- | -- | -- | -- | -- | -- |
| MADISON PARISH--CONTINUED | | | | | | | | | | | | | |
| MA- 31 | 16N | 12E | 31 | 08-26-88 | <5 | <5 | -- | -- | -- | -- | -- | -- | -- |
| MOREHOUSE PARISH--CONTINUED | | | | | | | | | | | | | |
| MO- 363 | 21N | 5E | 25 | 08-02-88 | <5 | <5 | -- | -- | -- | -- | -- | -- | -- |
| MO- 364 | 21N | 5E | 25 | 08-25-88 | <5 | <5 | -- | -- | -- | -- | -- | -- | -- |
| OUACHITA PARISH--CONTINUED | | | | | | | | | | | | | |
| OU- 467 | 18N | 3E | 43 | 08-18-88 | <5 | <5 | -- | -- | -- | -- | -- | -- | -- |
| RAPIDES PARISH--CONTINUED | | | | | | | | | | | | | |
| R- 910 | 2N | 3W | 14 | 08-01-88 | <5 | <5 | -- | -- | -- | -- | -- | -- | -- |
| R- 932 | 2N | 3W | 22 | 08-19-88 | <5 | <5 | -- | -- | -- | -- | -- | -- | -- |
| R-1210 | 2N | 2W | 19 | 08-19-88 | <5 | <5 | -- | -- | -- | -- | -- | -- | -- |
| RICHLAND PARISH--CONTINUED | | | | | | | | | | | | | |
| RI- 126 | 18N | 9E | 13 | 08-25-88 | <5 | <5 | -- | -- | -- | -- | -- | -- | -- |
| ST. CHARLES PASISH--CONTINUED | | | | | | | | | | | | | |
| SC- 185 | 13S | 20E | 120 | 09-27-88 | <5 | <5 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| SC- 186 | 13S | 20E | 120 | 09-13-88 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | 09-27-88 | <5 | <5 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 |
| SC- 187 | 14S | 20E | 120 | 09-13-88 | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | | | | 09-27-88 | <5 | <5 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 |
| SC- 188 | 14S | 20E | 120 | 09-27-88 | <5 | <5 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 |
| SC- 189 | 14S | 20E | 120 | 09-27-88 | <5 | <5 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 | <.1 |
| ST. TAMMANY PARISH--CONTINUED | | | | | | | | | | | | | |
| ST- 532 | 8S | 12E | 43 | 08-15-88 | <5 | <5 | -- | -- | -- | -- | -- | -- | -- |
| TANGIPAHOA PARISH--CONTINUED | | | | | | | | | | | | | |
| TA- 520 | 3S | 8E | 46 | 08-17-88 | <5 | <5 | -- | -- | -- | -- | -- | -- | -- |
| WASHINGTON PARISH--CONTINUED | | | | | | | | | | | | | |
| WA- 107 | 2S | 12E | 16 | 08-16-88 | <5 | <5 | -- | -- | -- | -- | -- | -- | -- |
| WEBSTER PARISH--CONTINUED | | | | | | | | | | | | | |
| WB- 241 | 23N | 11W | 14 | 08-17-88 | <5 | <5 | -- | -- | -- | -- | -- | -- | -- |
| WB- 269 | 19N | 9W | 28 | 08-16-88 | <5 | <5 | -- | -- | -- | -- | -- | -- | -- |

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# FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI).

| Multiply inch-pound units | By | To obtain SI units |
|---|---|---|
| | *Length* | |
| inches (in) | $2.54\text{x}10^{1}$ | millimeters (mm) |
| | $2.54\text{x}10^{-2}$ | meters (m) |
| feet (ft) | $3.048\text{x}10^{-1}$ | meters (m) |
| miles (mi) | $1.609\text{x}10^{0}$ | kilometers (km) |
| | *Area* | |
| acres | $4.047\text{x}10^{3}$ | square meters ($m^2$) |
| | $4.047\text{x}10^{-1}$ | square hectometers ($hm^2$) |
| | $4.047\text{x}10^{-3}$ | square kilometers ($km^2$) |
| square miles ($mi^2$) | $2.590\text{x}10^{0}$ | square kilometers ($km^2$) |
| | *Volume* | |
| gallons (gal) | $3.785\text{x}10^{0}$ | liters (L) |
| | $3.785\text{x}10^{0}$ | cubic decimeters ($dm^3$) |
| | $3.785\text{x}10^{-3}$ | cubic meters ($m^3$) |
| million gallons | $3.785\text{x}10^{3}$ | cubic meters ($m^3$) |
| | $3.785\text{x}10^{-3}$ | cubic hectometers ($hm^3$) |
| cubic feet ($ft^3$) | $2.832\text{x}10^{1}$ | cubic decimeters ($dm^3$) |
| | $2.832\text{x}10^{-2}$ | cubic meters ($m^3$) |
| cfs-days | $2.447\text{x}10^{3}$ | cubic meters ($m^3$) |
| | $2.447\text{x}10^{-3}$ | cubic hectometers ($hm^3$) |
| acre-feet (acre-ft) | $1.233\text{x}10^{3}$ | cubic meters ($m^3$) |
| | $1.233\text{x}10^{-3}$ | cubic hectometers ($hm^3$) |
| | $1.233\text{x}10^{-6}$ | cubic kilometers ($km^3$) |
| | *Flow* | |
| cubic feet per second ($ft^3/s$) | $2.832\text{x}10^{1}$ | liters per second (L/s) |
| | $2.832\text{x}10^{1}$ | cubic decimeters per second ($dm^3/s$) |
| | $2.832\text{x}10^{-2}$ | cubic meters per second ($m^3/s$) |
| gallons per minute (gal/min) | $6.309\text{x}10^{-2}$ | liters per second (L/s) |
| | $6.309\text{x}10^{-2}$ | cubic decimeters per second ($dm^3/s$) |
| | $6.309\text{x}10^{-5}$ | cubic meters per second ($m^3/s$) |
| million gallons per day | $4.381\text{x}10^{1}$ | cubic decimeters per second ($dm^3/s$) |
| | $4.381\text{x}10^{-2}$ | cubic meters per second ($m^3/s$) |
| | *Mass* | |
| tons (short) | $9.072\text{x}10^{-1}$ | megagrams (Mg) or metric tons |

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